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Lancaster Farming

VOL. 34 No. 9 | Six Sections | Lancaster Farming, Saturday, January 7, 1989 | 50¢ Per Copy | $10.00 Per Year

Welcome To The Pennsylvania Farm Show January 8 to 13

John and Cindy Batchelder of Oxford, like many, are on their way to the 73rd annual Farm Show. Here the Batchelders pose with My-T-Fine Grace, the Jersey grand champion of the 1988 show.

Snyder Named Secretary Of Livestock Assn.

HARRISBURG — Beverly Snyder has accepted the position of executive secretary for the Pennsylvania Livestock Association, according to Tom Calvert, president of the PLA. The Pennsylvania Livestock Association, which has been in existence since the early '50s, has the purpose of developing the full agricultural and soil resources of Pennsylvania by promoting the production, marketing, processing, and maximum use of beef cattle, sheep, swine, and horses within the state.

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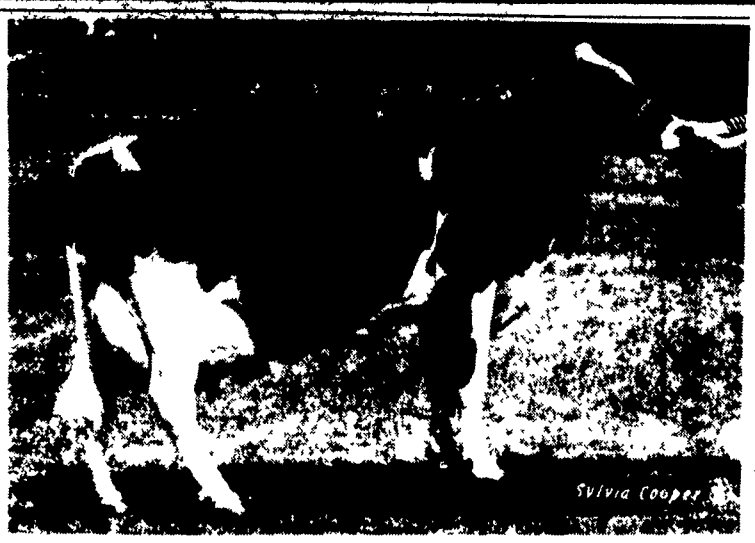
Visit
Lancaster Farming
At Farm Show
Booth No. 274.

Also
See Index For Farm Show Features In This Issue on Page A-3.



Fultonway Glendell Abbekerk

State DHIA Record Cow Purchased At Nittany Lion Fall Classic

ENON VALLEY (Lawrence) — The highest 1988 individual DHIA production record in Pennsylvania for both milk and butter fat was made by Fultonway Glendell Abbekerk for Trotacre Farms of Enon Valley in Lawrence County.

The record: 7y 305d 39,067m 4.5% 1754f 2.9p. Abbekerk, owned jointly with Roger Pertl of Slippery Rock in Butler County, is classified VG-89. Bred by J. Mowery Frey Jr., Lancaster, the new production champion was purchased in the first Nittany Lion Fall Classic sponsored by the students of the Dairy Science Club at Penn State University. Trotacre Farms also had the top Guernsey milk production record. Dolly Runs FB Jay EX produced: 10y 305d 26,173m 3.8% 1000f 3.0p.

As part of the extended circulation of this Farm Show Issue, the lists of the top herd and individual records of all breeds in milk, butter fat and protein are published on Pages E-2 to 12.

Farm Show Competitors Exhibit Pride In Ag

BY PAT PURCELL

HARRISBURG (Dauphin) — The seed of the first farm show was sown in 1686 in soil which has long since been covered over by stone, sand, cement or macadam in the city of Philadelphia, not Harrisburg.

Benjamin Franklin was credited with initiating the spirit of pride which sparked the first agricultural

(Turn to Page A18)

York Farm Credit Groups Merge

YORK — South Central Pennsylvania's two leading agricultural financial institutions, the Production Credit Association of York and Federal Land Bank Association of York, were merged to form York Farm Credit, ACA effective January 1, 1989, announced Jay V. Rush, continuing president and CEO.

The merger of the PCA and the FLBA of York into the York Farm Credit, ACA is part of the implementation of wide sweeping changes under the Agricultural

(Turn to Page A20)

Rohrer, Hollinger Repeat At Tobacco Show

BY LISA RISSER

For the third year running, Donald M. Rohrer of Lancaster claimed a championship title at the Lancaster County Tobacco Show for his Pennsylvania-type tobacco.

Sharing top honors with Rohrer in the open classes was Keith Frey of Washington Boro for his winning hand of Maryland-type, top-third tobacco.

In the youth division, Jeff Hollinger, 17, of Willow Street, repeated last year's performance by taking home the grand champion hand of Pennsylvania-type tobacco. Becky Barley, the

(Turn to Page A26)

market and auction news

Some Markets Not Available Due To Early Press Deadlines

Lancaster Livestock Auction

Monday, Jan. 3, 1989
Report Supplied by USDA

	Cattle	Calves	Hogs	Sheep	Goats
Monday's Receipts	951	66	685	479	380
Monday's Auction	955	69	734	474	351
Last Monday's Auction	737	44	1127	320	137
Last Year's Auction	783	118	287	390	380

NO AUCTION REPORT DUE TO FEDERAL HOLIDAY.

Jersey Shore Livestock Market, Inc.

Auction every Thursday at 4:00 p.m.
Jersey Shore, Pa.
Report supplied by Auction
Thursday, Jan. 5, 1989

RETURN TO FARM CALF 100.00-175.00.
GOOD VEAL 65.00-80.00.
COMMON VEAL 40.00-64.00.
CHOICE STEERS 69.00-77.00.
SELECT STEERS 60.00-70.00.
COMMON STEERS 44.00-59.00.
COMMERCIAL COWS 45.00-52.75.
CANNERS-CUTTERS 40.00-48.00.
SHELLS 30.00-39.00.
CHOICE HEIFERS 68.00-75.75.
SELECT HEIFERS 62.00-67.00.
COMMON HEIFERS 44.00-61.00.
GOOD FEEDERS 70.00-87.00.
COMMON FEEDERS 45.00-69.00.
BULLS 48.00-63.00.
GOOD HOGS 42.00-43.85.

Vintage Livestock Auction

Tuesday, Jan. 3, 1989
Report Supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	900	893	9	0
Last Tuesday	804	832	6	0
Last Year	858	967	4	1

CATTLE: SLAUGHTER STEERS .50-1.00 LOWER, INSTANCES 1.50 LOWER ON SELECT AND LOW CHOICE; SLAUGHTER HEIFERS NOT FULLY TESTED; COWS .50-1.00 LOWER; BULLS AND BULLOCKS NOT FULLY TESTED. SUPPLY INCLUDED 37% SLAUGHTER STEERS AND 60% COWS.

SLAUGHTER STEERS: FEW HIGH CHOICE AND PRIME 2-4 1150-1450 LB 77.00-79.00, THREE HEAD 79.75-80.10; CHOICE 2-3, FEW 4 1100-1450 LB 73.75-76.35, FEW HEAD 76.50-77.10; SELECT AND LOW CHOICE 2-3 1100-1450 LB 70.00-73.50; FEW SELECT 2-3 1000-1350 LB 66.00-70.50; FEW CHOICE AND PRIME 1160-1570 LB HOLSTEINS 64.50-69.25.

SLAUGHTER HEIFERS: FEW CHOICE AND PRIME 3-4 1150-1250 LB 71.35-72.10; FEW SELECT 975-1300 LB HOLSTEINS 52.75-54.75.

COWS: BREAKING UTILITY & COMMERCIAL 2-3 BULK 47.50-49.50 HI DRESSING 49.50-50.75; COMMERCIAL 3-4 BULK 43.50-46.50; CUTTER & BONING UTILITY 1-2 LO DRESSING 44.00-46.00 BULK 46.25-50.00 HI DRESSING 50.00-51.75; CANNER & LOW CUTTER LO DRESSING 41.50-43.00 BULK 43.00-47.00.

BULLS: FEW YIELD GRADE 1 1600-1900 LB 58.00-61.00.

Lancaster Livestock

Lancaster, PA
Wed., January 4, 1989

	Cattle	Calves	Hogs	Sheep	Goats
Wed's Receipts	71	6	666	22	0
Wed's Auction	27	0	492	0	0
Last Wed's Auction	38	0	795	0	0
Last Year's Auction	72	21	287	22	106

CATTLE: Insufficient volume of any one class to test trends.

VEAL CALVES: No market test.

HOGS: Compared to last Wednesday barrows and gilts 2.00-2.75 lower sows 3.00-4.00 higher. Supply included around 28% sows and boars.

BARROWS AND GILTS: US 1-2 210-245 lb 43.00-43.75.
US 1 few 215-240 lb 44.25-44.50.
US 1-3 210-265 lb 42.00-43.00.
SOWS: US 1-3 325-650 lb 30.00-33.75.
BOARS: 400-700 lb 25.50-27.00.
SHEEP: No market test.
GOATS: No market test.

VEAL CALVES: VEALERS STEADY, ALTHOUGH CHOICE SCARCE. SUPPLY INCLUDED 688 IN GRADED SALE OF WHICH 83% SOLD TO RETURN TO FARM.

VEALERS: COUPLE CHOICE AND PRIME 155-275 LB 98.00-109.00; HIGH GOOD AND LOW CHOICE 170-265 LB 72.00-93.00, 80-115 LB 62.00-70.00; STANDARD AND LOW GOOD 60-85 LB 50.00-62.00.

RETURNED TO FARM: 30 HEAD 120-125 LB HOLSTEIN BULLS 127.00-128.00, 180 HEAD 100-115 LB 136.00-140.00, 75 HEAD 90-95 LB 149.00-151.00; 75 HEAD SMALL FRAME 100-115 LB 110.00-112.00 AND 100 HEAD 80-95 LB 91.00-100.00; 30 HEAD 100-115 LB HOLSTEIN HEIFERS 118.00-123.00 AND 55 HEAD SMALL FRAME 85-105 LB 70.00.

SHEEP: INSUFFICIENT VOLUME TO TEST MARKET.

GOATS: NO MARKET TEST.

New Holland Livestock

New Holland, Pa.
Thursday, Jan. 5

	Cattle	Calves	Sheep	Goats
Today	826	554	95	45
Last Thursday	716	559	65	90
Last Year	930	571	57	45

CATTLE: SLAUGHTER STEERS NOT FULLY TESTED, ALTHOUGH A WEAKER UNDERTONE PREVAILING; SLAUGHTER HEIFERS NOT TESTED; COWS 1.00-2.00 LOWER; BULLOCKS NOT COMPARABLE; BULLS WEAK TO 1.00 LOWER. SUPPLY INCLUDED 24% SLAUGHTER STEERS AND 65% COWS.

SLAUGHTER STEERS: CHOICE 2-3, FEW 4 1125-1425 LB. 73.50-75.50, FEW 75.50-76.00; SELECT AND LOW CHOICE 2-3 1050-1375 LB. 70.25-73.75; FEW SELECT 2-3 1000-1300 LB. 68.00-70.50; CHOICE 1285-1650 LB. HOLSTEINS 62.75-65.25; SELECT 970-1450 LB. 56.00-61.25.

COWS: BREAKING UTILITY AND COMMERCIAL 2-3 BULK 46.00-48.50, HI DRESSING 48.50-49.75; COMMERCIAL 3-4 BULK 43.00-46.75; CUTTER AND BONING UTILITY 1-2 LO DRESSING 43.00-44.50, BULK 44.50-48.50, HI DRESSING 48.50-49.75; CANNER AND LOW CUTTER LO DRESSING 41.00-41.50, BULK 41.50-44.75.

BULLOCKS; CHOICE 1-3 1100-1375 LB. 62.75-65.75.

BULLS: YIELD GRADE 1 1350-1900 LB. 61.00-63.50; YIELD GRADE 2 1100-1750 LB. 56.00-61.00.

VEAL CALVES: VEALERS STEADY. DEMAND GOOD FOR HOLSTEIN BULLS TO RETURN TO FARM.

VEALERS: COUPLE HIGH CHOICE AND PRIME 250-350 LB. 117.00-124.00; CHOICE 140-360 LB. 94.00-108.00, FEW 108.00-113.00; HIGH GOOD LOW CHOICE 120-390 LB. 70.00-93.00, 80-110 LB. 62.00-70.00, FEW 70.00-74.00; STANDARD AND LOW GOOD 55-80 LB. 52.00-60.00.

RETURNED TO FARM: BULK 95-125 LB. HOLSTEIN BULLS 125.00-150.00, FEW 150.00-159.00; SMALL FRAME 90-115 LB. 90.00-125.00, FEW 80.00-90.00.

SHEEP: SLAUGHTER LAMBS 2.00-4.00 HIGHER; SLAUGHTER EWES FULLY STEADY.

WOOLED LAMBS: CHOICE AND PRIME 80-110 LB. 76.00-85.00, FEW 85.00-87.00; GOOD TO LOW CHOICE 60-100 LB. 68.00-76.00.

SLAUGHTER EWES: UTILITY AND GOOD 22.00-35.00, FEW 35.00-46.00.

GOATS: ALL GOATS SOLD BY THE HEAD. LARGE 60.00-78.00, COUPLE 81.00-90.00; MEDIUM 42.00-58.00.

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VINTAGE SALES STABLES, INC.
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MONDAY
9:00 A.M. —Slaughter Bulls, Heifers, Steers, Cows
10:00 A.M. —Goats, Veal Calves, Lambs
12 Noon —Slaughter Hogs
WEDNESDAY
8:00 A.M. —Slaughter Hogs
10:00 A.M. —Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. —Veal Calves, Lambs
FRIDAY
11:00 A.M. —Stocker and Feeder Cattle
SATURDAY
8:00 A.M. —Slaughter Hogs
Next Feeder Cattle Sale Fri., Jan. 20 at 11:00 A.M.
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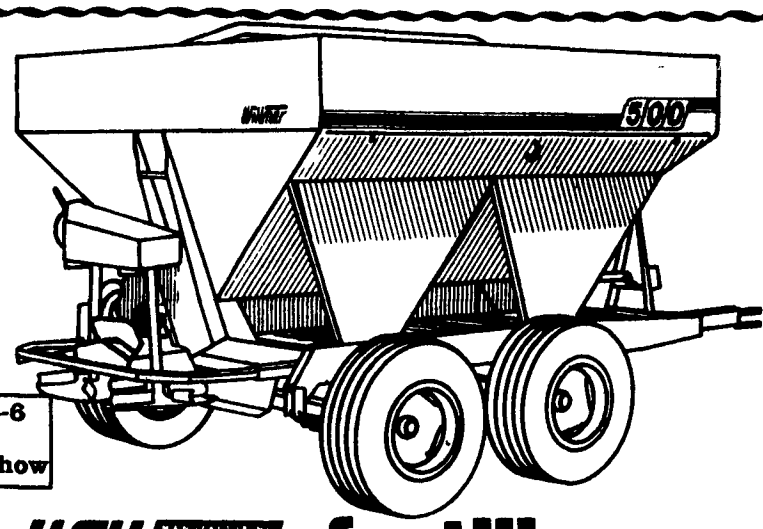
Buyers & Sellers Welcome



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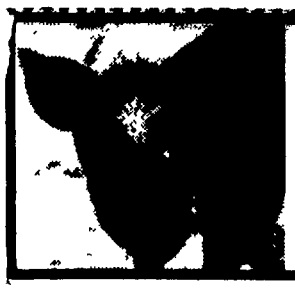

HOG MARKETS

Peoria Hogs

Peoria, IL
January 4, 1989

HOGS: 2200 TRADING MODERATE. BARROWS AND GILTS MOSTLY STEADY COMPARED WITH TUESDAY.

US 1-3 220-250 LBS. 42.00-42.50 2-3 240-260 LBS. 41.00-42.00 260-280 LBS. 39.00-41.00

SOWS: UNDER 500 LBS. MOSTLY STEADY TO .50 HIGHER, INSTANCES 1.00 HIGHER OVER 500 LBS. 2.00 TO 2.50 LOWER 19%

US 1-3 325-400 LBS. 35.00-35.50 400-500 LBS. 35.50-36.00 500-650 LBS. 35.00-36.00

BOARS: OVER 350 LBS. 35.50-36.25, MOSTLY 36.00 UNDER 350 LBS. 34.00-35.00

HOG 214

HC 42.00-42.50 HD 42.00-42.50 HE 42.00-42.50 HI 42.00-42.50 HJ 42.00-42.50 HK 42.00-42.50 HQ 41.00-42.00 HR 40.00-41.00 VV 35.00-35.50 WW 35.00-36.00 XX 35.00-36.00 YY 35.00-36.00 ZZ 35.50-36.25

New Holland Hogs

Lancaster, PA
Monday, Jan. 2, 1989
Report Supplied by Auction

1093 HEAD.

WHOLESALE: 43.50-45.00; RETAIL: 46.25-49.00; SOWS: 32.00-35.00; BOARS: LIGHTWEIGHT 33.00-35.00, HEAVYWEIGHT 24.00-26.00.

New Holland Feeder Pigs

New Holland, PA
January 4, 1989
Report Supplied by Auction

690 HEAD.

US 1-2 30-39 LBS. 76.00-96.00; 40-49 LB. 50.00-80.00; 50-59 LB. 62.00-78.00.

US 2-3 30-39 LBS. 70.00-86.00.

Midwest Flashes

Thurs., Jan. 5, 1989

Peoria Hogs

HOGS: 1800- TRADING ACTIVE, BARROWS AND GILTS OPENING 2.00 HIGHER, INSTANCES 2.25 HIGHER COMPARED WITH WEDNESDAY. SUPPLY MAINLY US 1-3 220-250 LBS.

US 1-3: 220-250 LBS. 44.00-44.50, 75 HEAD 44.75; 2-3 240-260 LBS. 43.00-44.00.

SOWS: UNDER 500 LBS. .50 TO MOSTLY 1.00 HIGHER, OVER 500 LBS. 2.00 TO 3.00 HIGHER. 15%.

US 1-3 325-450 LBS. 36.00-36.50; FEW 450-500 LBS. 36.50-37.00; 500-650 LBS. MOSTLY 38.00, SOME 39.00. WEDNESDAY'S BOARS OVER 350 LB. 35.50-36.25, MOSTLY 36.00; UNDER 350 LB. 34.00-35.00.

Indianapolis Hogs

Thurs., Jan. 5, 1989

HOGS: 700- BARROWS & GILTS MODERATELY ACTIVE, MOSTLY .75 HIGHER. SUPPLY US 1-3 220-275 LBS.

US 1-3 230-260 LBS. 43.00-43.50.

SOWS: MODERATELY ACTIVE, STEADY. 10%.

US 1-3: 475-650 LBS. 34.00-36.00.

BOARS: OVER 400 LBS. 32.00.

GRAIN, CATTLE AND HOG FUTURES MARKETS

(Daily closing bids: Friday, Dec. 30 through Thursday, Jan. 5)

CORN

	FRI.	MON.	TUES.	WED.	THUR.
MAR. 89	284¼	C	280¾	283½	286¾
MAY	289¾	L	286¼	289	292¾
JUL.	292¾	O	289¾	292¾	296
SEPT.	279¾	S	278¼	283¾	284¼
DEC.	273¼	E	273	278	279¾
MAR. 90	280	D	280¼	285¼	286

SOYBEANS

	FRI.	MON.	TUES.	WED.	THUR.
JAN.	804¾	C	801¼	816	813
MAR.	819¼	L	814¼	827	824¼
MAY	827¼	O	825¼	838¾	833¾
JUL.	834	S	829¼	841¼	838¾
AUG.	826	E	818¼	829	829
SEPT.	776	D	769¼	779	780¼
NOV.	735¼		732¼	741¼	741¼

CHICAGO CATTLE

	FRI.	MON.	TUES.	WED.	THUR.
FEB. 89	73.95	C	74.17	73.42	73.45
APR.	75.47	L	75.92	75.42	75.50
JUNE	74.17	O	74.30	73.80	73.95
AUG.	71.80	S	71.92	71.42	71.52
OCT.	70.85	E	70.90	70.55	70.50
		D			

WHEAT

	FRI.	MON.	TUES.	WED.	THUR.
MAR. 89	440	C	439¼	447¼	448¼
MAY	426	L	426¼	434¼	435¼
JUL.	394¼	O	395¼	401	400¼
SEPT.	399	S	399	403	403¼
DEC.	406½	E	408	412	412¼
		D			

SOYBEAN MEAL

	FRI.	MON.	TUES.	WED.	THUR.
JAN. 89	260.50	C	261.00	266.10	264.70
MAR.	263.70	L	263.00	267.60	265.80
MAY	263.50	O	262.00	265.70	263.70
JUL.	261.20	S	259.50	262.20	260.20
AUG.	255.00	E	253.50	255.50	254.00
SEPT.	245.00	D	243.50	245.50	244.50
OCT.	225.00		229.00	231.00	231.20

CHICAGO HOGS

	FRI.	MON.	TUES.	WED.	THUR.
FEB.	46.52	C	46.15	46.47	46.95
APR.	46.75	L	45.25	45.52	45.95
JUNE	49.57	O	49.22	49.45	49.92
JUL.	49.77	S	49.45	49.52	50.07
AUG.	48.95	E	48.70	48.75	49.17
OCT.	45.45	D	45.10	44.92	45.00

FARM BUREAU ACRES

FUTURES MARKET TRENDS GRAIN AND LIVESTOCK

This market information provided by ACRES ACRES is a copyrighted market information service developed by the American Farm Bureau and available to Pennsylvania farmers on a daily basis through Pennsylvania Farmers' Association Farm Management Services. For additional market comments and trading service contact PFA Commodity Futures Service (717) 761-2740

Acres Corn Update: Corn futures prices staged a recovery today and closed from 2-3/4 to as much as 5-1/2 cents higher on buying late in the session fueled by spillover from sharply higher soybeans and wheat. Pressure was linked to ideas that corn would encounter difficulty in maintaining these gains in view of increased farmer sales and the lack of fresh bullish fundamentals. The USDA announced after the close a sale of 250,000 metric tonnes of corn to the Soviet Union. March corn ended the day 2-3/4 cents higher at $2.83-1/2 after touching $2.85-1/4 shortly before the close. Generic certificate bids were steady.

Acres Soybean Update: Soybean futures settled sharply higher this afternoon and rebounded dramatically from early morning weakness on heavy professional buying in response to rumors that China was seeking up to one million metric tonnes of beans. The March option traded to $8.32 which was its highest point since October 18th. News this morning that projected U.S. carryout estimates by a private analyst were far below former projections boosted prices early in the session along with ongoing reports of hot and dry conditions in South Brazil and most of Argentina. November ended the day 9 cents higher at $7.79 after trading to a high of $7.81 shortly before the close.

Acres Wheat Update: Wheat futures closed from 4 cents to 8 cents higher in fast market conditions with buying throughout the session linked to an active export pace. Further support was attributed to spillover from sharply higher soybeans. New contract highs were made again today in the March option as well as the May and December. Yesterday's highs in the September and July options were equalled today at the close. March traded to a high of $4.48 and ended the day 8 cents higher at $4.47-1/4. The USDA announced after the close a sale of 440,000 metric tonnes of wheat to China under the export bonus program.

Acres Cattle Update: Live and feeder cattle ended the 10 to 75 points lower. Heavy cash connected selling was in response to sluggish beef demand with carcass beef plunging $2.00 per/cwt today. Fed cattle market weakness encouraged additional selling along with expectations for weaker boxed beef prices. Losses were pared by profit-taking from locals who sold the opening. Spillover from weaker live cattle pressured the feeder pit with losses there from 17 to 53 points. Higher soybean and corn futures also pressured with losses in the spot option pared by ideas prices would be discounted to the cash index quote when it is quoted again later in the month.

CME FEEDER CATTLE SETTLEMENT PRICE: unavailable until 1/10/89 ACRES NEXT DAY OUTLOOK: cash - steady to lower futures-steady to weak

(Turn to Page A14)

PIGS
STATE GRADED SALE
FRI., JAN. 13
1:30 P.M.
AT
Carlisle
LIVESTOCK MARKET, INC.
Now holding two sales each month every 2nd & 4th Fridays.
Exit 12 Off I-81
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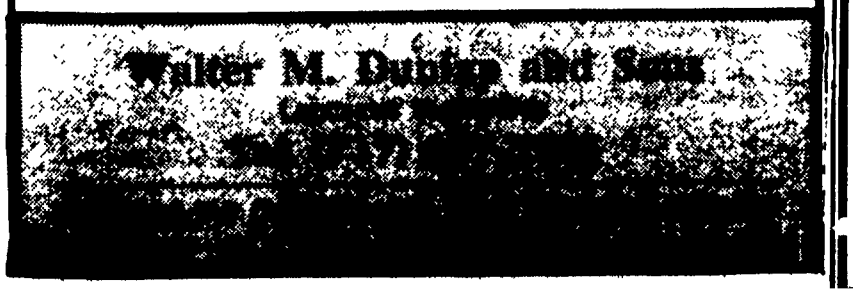
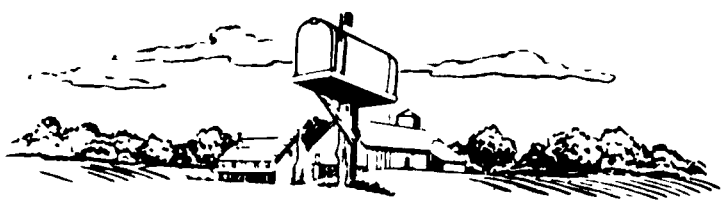
Next Feeder Cattle Sale
Fri., Jan. 20 - 11:00 A.M.





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We'll See You There A10

HOME AND YOUTH
Home On The Range ..... B 6
Cook's Question Corner ..... B 8
Kid's Korner B10

POULTRY MARKETS

N.E. Weekly Shell Egg Report

Tuesday, Jan. 3
Report Supplied by USDA

PRICES PAID PER DOZEN GRADE "A" BROWN EGGS IN CARTONS DELIVERED TO RETAIL STORES:

	EX. LARGE	LARGE	MEDIUM	SMALL
N. HAMP.	1.10-1.14	1.04-1.08	.82-.86	.58-.62
MOSTLY	1.12-1.13	1.06-1.07	.84-.85	.60-.61
R.I.	1.13-1.17	1.07-1.11	.88-.92	.63-.66
MOSTLY	1.13	1.07	.88	.63
VERMONT	1.10-1.19	1.05-1.15	.85-.99	
MOSTLY	1.15	1.10	.95	
MAINE	1.17-1.22	1.11-1.16	.89-.97	.65-.71

Philadelphia Eggs

Thursday, Jan. 5, 1989
Report Supplied by USDA

MARKET COMMENT: PRICES WERE UNCHANGED TO LOWER. TRADE SENTIMENT WAS BARELY STEADY TO STEADY ON THE LARGE SIZES, AND WEAK ON MEDIUMS. DEMAND CONTINUED LIGHT TO MODERATE, BETTER WHERE RETAIL SPECIALS WERE IN PROGRESS OF PLANNED. LARGE AND EXTRA LARGE SUPPLIES WERE ADEQUATE TO OCCASIONALLY FULLY ADEQUATE, AND MEDIUMS WERE AMPLE. PRICES TO RETAILERS: SALES TO VOLUME BUYERS, CONSUMER GRADES WHITE EGGS IN CARTONS DELIVERED STORE DOOR:

EXTRA LARGE .76-80; A LARGE .74-.78; A MEDIUM .64-.71.

LANCASTER FARMING STAFF

Everett R. Newswanger, Managing Editor
Patricia S. Purcell, Staff Writer
Lou Ann Good, Staff Writer
Lisa Risser, Staff Writer

NEWS CORRESPONDENTS

Joyce Bupp, York County
Seven Valleys (717)428-1865
Ginger Myers, Adams
Littlestown (717)359-7542
Bonnie Brechbill, Franklin
Chambersburg (717)369-2916
Mary Myers, Perry
Elliottsburg (717)582-4047
Craig Bingman, Snyder, Union, Juniata
Beaver Springs (717)837-0085
Betsy Yoder, Huntingdon
Huntingdon (814)667-3413
Carolyn Gilles, Crawford
Meadville (814)724-4269
Randy Wells, Indiana
Marion Center (412)397-2529
Marianne Walker, Center
Warriors Mark (814)692-2216
Linda Williams, Bedford
Bedford (814)623-5745
Helen Kelchner, Columbia
Berwick (717)752-4619
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Frederick (301)694-9329
Sharon Schuster, Maryland
New Windsor (301)635-2654
Sue Crow, Maryland
Kennedyville (301)648-5687
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Maryland (301)473-5178

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Heinsey's Poultry

Roots, E. Petersburg
January 3, 1989

Muscovy Ducks, Drakes 1.10-1.24.
Hens .80-.92.
Pekin Ducks .30-.44.
Red Fowl: 4-4.5# .30-.44, 5-6# .40-.62.
Crossbred Roosters: 4-6# .40-.84, 7-11# .25-.64.
Crossbred Fowl: 5-10# .20-.54.
Banty Roosters 2.50-5.50 ea.
Banty Hens 1.00-1.50 ea.
Guinea Pigs .50-2.50 ea.
Guinea Fowl .80-1.00.
Geese 8-10# .20-.34.
Pigeons 1.30-1.60 ea.
White Pigeons 3.50-4.50 ea.
Rabbits: 4-6# 1.00-1.22, 7 11# .80-.92.
Leghorn Hens .18-.24.
Bunnies .50-2.00 ea.
Doves 2.00-3.50 ea.
Chukars 3.70-3.85 ea.
Silkies 4.50-6.00 ea.
Total Coops Sold 608.

Delmarva Broiler Fryer Market

Thursday, January 5, 1989

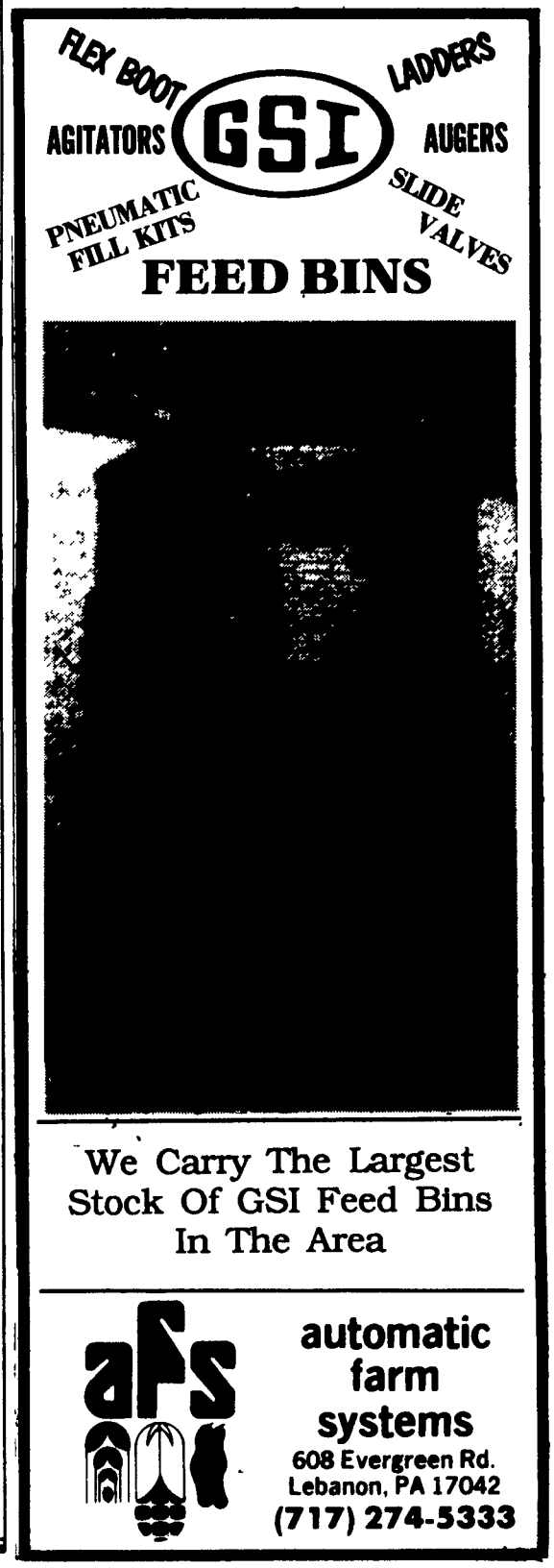
Movement of whole birds was generally fair. Offerings were usually adequate for current needs. Interest for parts was irregular with best action where retail promotions were either planned or in progress. Less than trucklot asking prices were unchanged at 58-69 cents. Live supplies were moderate. Weights were generally within desirable ranges. Slaughter schedules were moderately heavy. The undertone was steady.

ESTIMATED SLAUGHTER OF BROILER/FRYERS IN DELMARVA (000) ESTIMATED ACTUAL AVG. WGT. ACTUAL AVG. WGT. 1/5 1/3 1/3 12/29 12/27 2024 2033 4.70 2028 4.67.

NEW YORK MULTIPLE DROP BROILER REPORT:

CURRENT BROILER/FRYER NEGOTIATED PRICES FOR IMMEDIATE DELIVERY INCLUDES MOSTLY MULTIPLE-DROP SHIPMENTS OF BRANDED AND WING TAGGED TO NEW YORK CITY FROM DELMARVA.

BRANDED U.S. GRADE A RANGE 58-69 WEIGHTED AVERAGE 62.84 NO. OF BOXES 9248.



Weekly New York Egg Market Northeast Quotes

From Fri., Dec. 30 to Thurs., Jan. 5

	FRI.	MON.	TUES.	WED.	THURS.
WHITE					
JUMBO	.87	C	.87	.87	.85
EX. LARGE	.84	L	.84	.84	.82
LARGE	.82	O	.82	.82	.80
MEDIUM	.76	S	.75	.73	.70
PULLETS	.66	E	.66	.63	.59
OFF GRADE	.70	D	.70	.70	.68
BROWN					
EX. LARGE	1.12		1.12	1.10	1.10
LARGE	1.05		1.05	1.03	1.03
MEDIUM	.84		.84	.82	.82
OFF GRADE					
UNDERGRADES AND CHECKS	.40		.39	.37	.36

BREAKING STOCKS: FRI. 48-50 LBS. 48.00-50.00, 50 LBS. UP 50.00-51.00; TUES. 48-50 LBS. 47.00-49.00, 50 LBS. AND UP 49.00-50.00; WED. 48-50 LBS. 45.00-47.00, 50 LBS. AND UP 47.00-49.00; THURS. 48-50 LBS. 44.00-46.00, 50 LBS. AND UP 46.00-48.00.

Northeast Chicken Parts

January 4, 1989

PRICES PAID PER POUND ON ICE PACKED PARTS DELIVERED IN POOL TRUCKLOT AND TRUCKLOT QUANTITIES: CURRENT ITEM NEGOTIATED TRADING* WEIGHTED AVG.** VOLUME/LBS. BREASTS SKINNED BONELESS 190 197.28 176,400 RIBS ON 87-89 90.18 171,000 LINE RUN 87 86.93 147,600 LEGS 35-36 40.07 189,000 LEG QUARTERS 28-29 28.55 388,800 WINGS 76-78 80.40 194,400 BACKS & NECKS 10-12 10.77 23,400 LIVERS 15 16.67 16,200 GIZZARDS (HEARTS) 35 36.82 19,800

*TODAY'S NEGOTIATED SALES AS OF 11:30 A.M. **WEIGHTED AVERAGE PRICE OF ALL GRADES AND BRANDS OF PRODUCT SHIPPED, OR TO BE SHIPPED FROM PROCESSORS AS OF 2:00 P.M. DAY OF REPORT. (INCLUDES NEW YORK CITY METROPOLITAN AREA, NORTHERN NEW JERSEY, MASSACHUSETTS, CONNECTICUT AND RHODE ISLAND).

New England Shell Eggs

January 4, 1989

Prices were unchanged to lower on cartoned mediums, balance unchanged. Trade sentiment was about steady. Demand at all levels was mostly moderate. Supplies were generally adequate.

PRICES PAID TO PRODUCERS FOR LOOSE BROWN EGGS AT FARM, CASES EXCHANGED, GRADE YIELD BASIS, CENTS PER DOZEN:

JUMBO .92-.95, EX LARGE .84-.87, LARGE .78-.81, MEDIUM .56-.59, SMALL .32 .35.

BOSTON: PRICES TO RETAILERS - SALES TO VOLUME BUYERS, CONSUMER GRADE BROWN EGGS IN CARTONS DELIVERED STORE DOOR, CENTS PER DOZEN:

A EXTRA LARGE 1.03-1.05, A LARGE .97-.99, A MEDIUM .75-.80.

New York Philadelphia Frozen Eggs

December 30, 1988

Prices were unchanged. Trading activity was light. Offerings of raw materials were irregularly available and held with varying degrees of confidence. Most breakers worked shortened schedules and usually had sufficient stocks to cover current trade requirements.

WHOLESALE SELLING PRICES (CENTS PER POUND IN 30 LB. CONTAINERS) U.S.D.A. INSPECTED, CLASS TRUCKLOTS LTL (MIN. 25 CONT.) WHOLE 50-52 MOSTLY 51-52 53-61 BLENDS (/) - MOSTLY - 55-65 WHITES 42-45 MOSTLY 43-44 46-53 YOLKS (MIN. 43% SOLIDS) SUGARED 60-62 MOSTLY 61-62 63-74 SALTED 56-60 MOSTLY 56-58 - (/)-WHOLE PLUS YOLK PLUS SWEETENER, GENERALLY 28-32% EGG SOLIDS.

Hackettstown Poultry & Egg

Hackettstown, N.J.
Tuesday, Jan. 2, 1989
Report Supplied by Auction

HEAVY FOWL .40-.55.
LIGHT FOWL .35.
ROASTERS 1.00.
GEESE .25-.35.
BANTAMS .30-.50.
ROOSTERS .80-1.35.
TURKEYS .35-.90.
DUCKS .40-1.70.
RABBITS .50-1.55.
BUNNIES (EACH) .75.
PIGEONS, (EACH) 1.50-1.70.
GUINEAS 1.10-1.55.

WHITE

JUMBO X LGE. .85-.92; LARGE .53-.78; MEDIUM .32-.65; SMALL .29.

BROWN

JUMBO X LGE. .80-1.08; LARGE .66-.85; MEDIUM .58-.61.

Eastern PA & NJ Poultry Report

Wednesday, January 4, 1989

Prices were unchanged to higher. Live supplies were generally available and most processors planned to work full schedules next week. The undertone was steady.

LIVE LIGHT TYPE HENS: AT FARM 7-10 MOSTLY 8 1/2 F.O.B. PLANT - MOSTLY.

National Egg Market

Wednesday, January 5, 1989

EGG MARKET - AT A GLANCE:

Prices were unchanged to lower on all sizes in the Mid-Atlantic region, lower on mediums in the Midwest, and unchanged elsewhere. The market tone was steady to weak. Demand was mostly moderate, better with retail specials in progress or planned. Supplies were adequate to surplus with mediums in the longest position. Breakers provided a light demand for the fully adequate offerings, and prices were lower.

New Holland Horses

New Holland Sales Stables
New Holland, PA
Monday, Jan. 2, 1989
REPORT SUPPLIED BY AUCTION

REGISTERED RECEIPTS OF 324 HEAD OF HORSES, MULES AND PONIES. MARKET STRONGER.

DRIVING HORSES 450.00-720.00.
RIDING HORSES 275.00-680.00.
HEAVYWEIGHT KILLERS 450.00-550.00.
LIGHTWEIGHT KILLERS 250.00-400.00.
MARE PONIES 35.00-70.00.
COLTS 15.00-35.00.
GELDING PONIES 35.00-70.00.
LARGER PONIES 125.00-175.00.

New York Eggs

Thursday, January 5, 1989

Prices were lower. Trade sentiment on the large sizes was about steady, and weak on mediums. Retail specials on large were active and provided the best movement, mostly moderate elsewhere. Supplies of the large sizes were adequate and mediums continued surplus.

PRICES TO RETAILERS - SALES TO VOLUME BUYERS, CONSUMER GRADE A WHITE EGGS IN CARTONS DELIVERED STORE DOOR, CENTS PER DOZEN:

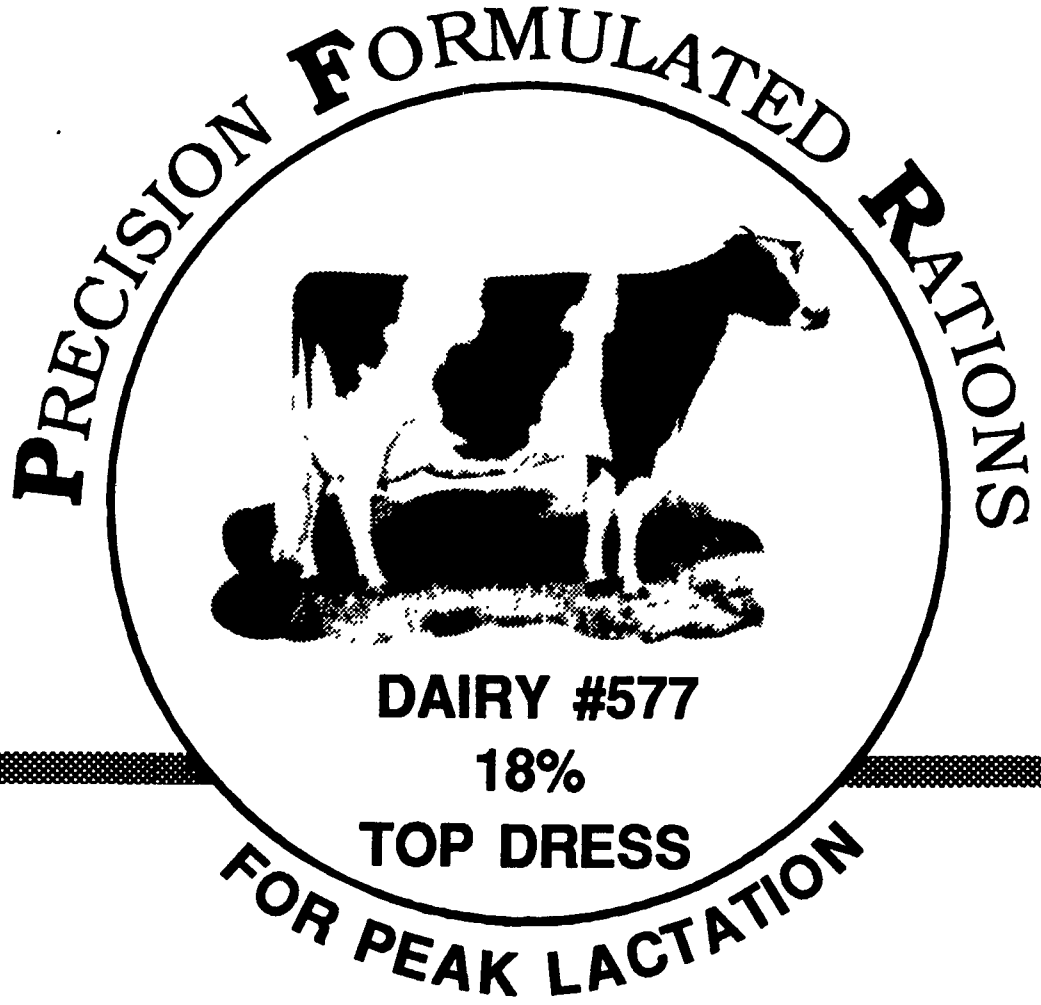
A EXTRA LARGE .78-.80; A LARGE .75-.78; A MEDIUM .65-.68.

Peoria Cattle

Peoria, IL
January 4, 1989

CATTLE: 50 NOT ENOUGH OFFERED FOR A MARKET TEST.

Top Milk Production and Butterfat



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January 3, 1989
Report supplied by PDA

COMPARED WITH LAST TUESDAY'S MARKET FOR SOUTHEASTERN, CENTRAL AND SOUTH CENTRAL PA: CORN AND WHEAT UNEVEN, MOSTLY STEADY TO .10 HIGHER; BARLEY STEADY; OATS UNEVEN, MOSTLY STEADY TO STRONG; SOYBEANS STEADY TO .10 HIGHER; EAR CORN STEADY TO $5 HIGHER.

SOUTHEASTERN PENNSYLVANIA

CORN NO. 2-Y RANGE 3.05-3.24, FEW REPORTED 3.30, AVERAGE 3.14; *CONTRACT FOR HARVEST 2.60-2.88; @WHEAT NO. 2 RANGE 4.10-4.30, AVERAGE 4.16; *CONTRACT FOR HARVEST 3.58-3.80; BARLEY NO. 3 RANGE 2.35-2.68, AVERAGE 2.53; *CONTRACT FOR HARVEST 2.00-2.05; OATS NO. 2 RANGE 2.30-2.60, AVERAGE 2.50; SOYBEANS NO. 1 RANGE 7.40-8.10, AVERAGE 7.64; *CONTRACT FOR HARVEST 6.95-7.10; *GR. SORGHUM #2 RANGE 2.75, AVERAGE 2.75; *NEW EAR CORN RANGE 72.00-113.00, AVERAGE 92.85.

SOUTH CENTRAL PENNSYLVANIA

CORN NO. 2-Y RANGE 2.95-3.40, MOSTLY 3.10-3.24, AVERAGE 3.17; @WHEAT NO. 2 RANGE 3.50-4.20, AVERAGE 3.76; BARLEY NO. 3 RANGE 2.20-2.85, AVERAGE 2.50; OATS NO. 2 RANGE 2.25-2.61, AVERAGE 2.41; *SOYBEANS NO. 1 RANGE 7.50-7.85, AVERAGE 7.68; *NEW EAR CORN RANGE 85.00-110.00, AVERAGE 97.25.

SOUTHEASTERN,* CENTRAL & SOUTH CENTRAL SUMMARY

CORN NO. 2-Y RANGE 3.05-3.25, AVERAGE 3.16; @WHEAT NO. 2-Y RANGE 3.70-4.30, AVERAGE 3.96; BARLEY NO. 3 RANGE 2.30-2.76, AVERAGE 2.49; OATS NO. 2 RANGE 2.25-2.61, AVERAGE 2.43; SOYBEANS NO. 1 RANGE 7.30-8.10, AVERAGE 7.59; *NEW EAR CORN RANGE 70.00-113.00, AVERAGE 90.53.

CENTRAL PENNSYLVANIA

CORN NO. 2-Y RANGE 3.10-3.25, AVERAGE 3.17; @WHEAT NO. 2 RANGE 3.70-4.30, FEW REPORTED 3.50, AVERAGE 3.88; BARLEY NO. 3 RANGE 2.30-2.45, AVERAGE 2.38; OATS NO. 2 RANGE 2.20-2.60, AVERAGE 2.35; SOYBEANS NO. 1 RANGE 7.20-7.85, AVERAGE 7.47; *GR. SORGHUM #2 RANGE 2.65, AVERAGE 2.65; *NEW EAR CORN RANGE 70.00-100.00, AVERAGE 81.22.

WESTERN PENNSYLVANIA

CORN NO. 2-Y RANGE 2.93-3.10, AVERAGE 3.03; @WHEAT NO. 2 RANGE 3.60-4.05, AVERAGE 3.88; BARLEY NO. 3 RANGE 2.35-2.45, AVERAGE 2.40; OATS NO. 2 RANGE 2.45-2.80, FEW REPORTED 2.25, AVERAGE 2.56; *SOYBEANS NO. 1 RANGE 7.70, AVERAGE 7.70; *NEW EAR CORN FEW REPORTED 95.00, AVERAGE 95.00.

MONTH AGO

CORN NO. 2-Y 3.07; @WHEAT NO. 2-Y 3.83; BARLEY NO. 3 2.44; OATS NO. 2 2.39; SOYBEANS NO. 1 7.21; *NEW EAR CORN 78.11.

YEAR AGO

CORN NO. 2-Y 2.11; @WHEAT NO. 2-Y 2.99; BARLEY NO. 3 1.65; OATS NO. 2 1.97; SOYBEANS NO. 1 5.80; *NEW EAR CORN 58.51.

Regional Hay

January 3, 1989
Eastern, Pa.

HAY & STRAW MARKET FOR EASTERN PA. (ALL HAY NO. 2 & BETTER PRICES PAID BY DEALERS AT THE FARM & PER TON.) HAY AND STRAW SLOW, MOSTLY STEADY.

ALFALFA 85.00-110.00; MIXED HAY 60.00-100.00; TIMOTHY 65.00-95.00; STRAW 40.00-75.00; MULCH 25.00-45.00.

LANCASTER CO. HAY AUCTIONS

SUMMARY OF LANCASTER CO. HAY AUCTIONS FOR WEEK ENDING 12/30/88. PRICES PER TON: LOADS: 205 HAY, 78 STRAW, AND 17 EAR CORN.

ALFALFA 83.00-128.00; MIXED HAY 63.00-121.00; TIMOTHY 85.00-127.00; STRAW 60.00-91.00; EAR CORN 119.00-136.00.

CENTRAL PA. HAY AUCTIONS

SUMMARY OF CENTRAL PA. HAY AUCTIONS FOR WEEK ENDING 12/30/88. PRICES PER TON: LOADS: 174 HAY, 39 STRAW & 6 EAR CORN.

ALFALFA 82.00-130.00; MIXED HAY 60.00-110.00; TIMOTHY 76.00-101.00; STRAW 44.00-82.50; EAR CORN 101.00-130.00.

Green Dragon Hay

Ephrata, Pa.
Friday, Dec. 30, 1989
Report Supplied by Auction

TOTAL LOADS: 176.
MIXED HAY: 65.00-137.00.
TIMOTHY: 79.00-127.00.
GRASS: 60.00-85.00.
BROME GRASS: 81.00-86.00.
STRAW: 60.00-91.00.
CLOVER: 71.00-82.00.
ALFALFA: 71.00-128.00.
CORN: 101.00-128.00.
OATS: 3.00-3.10 BU.

New Holland Hay

New Holland, Pa.
Monday, Jan. 2, 1989
Report Supplied by Auction

TOTAL LOADS: 156.
ALFALFA: 75.00-162.00.
MIXED HAY: 75.00-152.00.
TIMOTHY: 72.00-140.00.
STRAW: 60.00-112.00.
GRASS HAY: 80.00-88.00.
CORN: 109.00 AND 125.00.

Keister's Hay

Middleburg, PA
Tuesday, Jan. 3
Report supplied by auction

48 LDS. HAY.
ALFALFA: 82.50-135.00.
MIXED HAY: 52.50-135.00.
STRAW: 11 LOADS, 57.50-80.00.
EAR CORN: 112.50-130.00.
OATS: 2.70 BU.

Vintage Hay

Paradise, PA
Thurs., Jan. 5, 1989
Report Supplied by Auction

ALFALFA: 66.00-129.00.
TIMOTHY: 83.00-90.00.
MIXED HAY: 70.00-106.00.
STRAW: 71.00-76.00.
GRASS: 77.50.

Good's Hay

Leola, Pa.
Wed., Jan. 4, 1989
Report Supplied by Auction

TOTAL LOADS: 85.
ALFALFA: 82.00-143.00.
TIMOTHY: 105.00-120.00.
MIXED HAY: 60.00-149.00.
CORN: 117.00-129.00.
OATS: 3.15 BU.
STRAW: 62.00-85.00.
GRASS: 90.00-100.00.
CLOVER: 89.00.

Martin's Hay

Coatesville, PA
Wed., Jan. 4

TOTAL LOADS: 12.
ALFALFA: 125.00-130.00.
TIMOTHY MULCH: 76.00-80.00.
TIMOTHY: 115.00-125.00.
MIXED HAY: 128.00-135.00.
STRAW: 90.00-105.00.

Dewart Hay

Dewart, PA.
Monday, January 2, 1989
Report Supplied by Auction

TOTAL LOADS: 34 LDS. HAY, 66.00-118.00.
STRAW: 9 AT 70.00-82.00.
CORN: 110.00.
WOOD: 19 LOADS AT 25.00-49.00 ld.

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MONDAY

FAT HOGS

EARLY BIRD HOG SALE
7:30 AM
For Your Protection Your Hogs Must Be Identified

10:00 AM

HORSES MULES

11:00 AM

HAY
STRAW
GRAIN

1:30 PM
BEEF SALE
CALF, SHEEP, GOATS

WEDNESDAY

11:00 A.M.

DAIRY COWS

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WEDNESDAY - 1:30 P.M.
FEEDER PIG SALE

We endeavor to keep our barns cleaner than yours. State graded until 12 Noon

THURSDAY

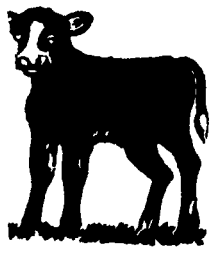
10:00 AM

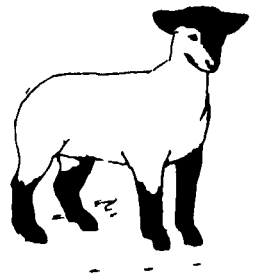
BULLS -

STEERS -
BEEEF COWS

1:30 P.M.

CALVES





SHEEP
GOATS

Market your livestock thru New Holland Sales, your neighbor does
Pick-up your check before you leave

National Garin Market

St. Joseph, MO
January 4, 1989

CASH GRAIN AND SOYBEANS HIGHER. MARKETS SUPPORTED BY RECENT WHEAT PURCHASES BY CHINA AND INDICATIONS THE U.S.S.R. BIDDING ON 400,000 TONNES EEP WHEAT. CORN MARKETS QUIET, SUPPORTED BY STRONG SOYBEAN TRADING AND SHARPLY HIGHER SOYBEAN MEAL MARKETS.

UNITED STATES...LACK OF PRECIPITATION CONTINUED STRESSING WINTER WHEAT IN THE CENTRAL AND SOUTHERN PLAINS. LACK OF SNOW COVER CONCERNED WINTER WHEAT PRODUCERS IN PORTIONS OF THE CORNBELT AND NORTHERN PLAINS. LIVESTOCK WAS IN MOSTLY GOOD CONDITION. WESTERN USSR...A WARMING TREND DIMINISHES SNOW COVER IN THE WEST AND SOUTH. EASTERN ASIA...HEAVY RAIN FALLS ACROSS SOUTHEASTERN CHINA AND TAIWAN. SOUTH AMERICA...SOAKING RAIN IN BRAZIL IMPROVES CONDITIONS FOR CORN AND SOYBEANS. SCATTERED SHOWERS AND HOT WEATHER INCREASE STRESS ON SUMMER CROPS IN ARGENTINA.

EXPORT NEWS: JAPAN BOUGHT 270,000 TONNES OF WHEAT FOR DELIVERY IN 88/89 MARKETING YEAR. CHINA TENDERED FOR 400,000 TONNES OF HARD OR SOFT RED WINTER WHEAT UNDER EXPORT BONUS FOR MARCH DELIVERY. GUATEMALA TENDERS TODAY FOR UP TO 83,000 TONNES OF WHEAT UNDER PL480 FOR JAN/AUG SHIPMENTS. U.S.S.R. BOUGHT 250,000 METRIC TONS OF CORN UNDER THE NEW 6 YEAR LTA. BRAZIL BOUGHT 60,000 TONNES OF U.S. SOYBEANS FOR JANUARY SHIPMENT. BRAZIL IS NEGOTIATING FOR ANOTHER 30,000 TONNES OF U.S. SOYBEANS. MOROCCO BOUGHT 3,000 TONNES OF U.S. SOYOIL UNDER EBP FOR SEPT/OCT.

DATE CHANGE YEAR AGO 01/04/89 01/03/88 01/06/88 WHEAT: KANSAS CITY 4.31-4.32 UP 5-3 3.21-3.24 MINNEAPOLIS 4.47 1/4 UP 9 1/4 3.34 1/2 PORTLAND 4.98-4.99 NC-DN 2 3.17-3.21 ST. LOUIS 4.48-4.51 UP 8 3.29-3.34

CORN, U.S. NO. 2 YELLOW: KANSAS CITY 2.72-2.75 UP 2 1.86-1.91 MINNEAPOLIS 2.58 1/2 UP 2 3/4 1.69 SO. IOWA 2.68-2.69 1/2 UP-2 1/2 1.80-1.84 OMAHA 2.59-2.61 UP 3 1.70-1.74

SOYBEANS, NO. 1 YELLOW: KANSAS CITY 8.11-8.16 UP 13-14 6.05-6.16 MINNEAPOLIS 7.95 UP 12 1/2 5.99 1/2 SO. IOWA 8.02 UP 17-14 6.06-6.12 C. ILL. PROCESSORS 8.14-8.22 UP 12 1/2-14 6.19 1/2-6.28

*KANSAS CITY, US NO. 1 HARD RED WINTER WHEAT, ORDINARY PROTEIN. MINNEAPOLIS, US NO. 1 DARK NORTHERN SPRING WHEAT, 14% PROTEIN. PORTLAND, NO. 2 SOFT WHITE WHEAT, ST. LOUIS, NO. 2 SOFT RED WINTER WHEAT.

FUTURES CLOSE: KANSAS CITY (MAR) WHEAT 4.35 1/2 UP 3 1/2 3.22 1/2

MINNEAPOLIS (MAR) WHEAT 4.23 1/4 UP 4 1/4 3.14 1/2

CHICAGO (MAR) WHEAT 4.47 1/4 UP 8 3.31 1/2

(MAR) CORN 2.83 1/2 UP 2 3/4 1.

91

(JAN) SOYBEANS 8.16 UP 14 1/4 6.33 1/2

EXPORT: BARGE OR RAIL, PORT OF NEW ORLEANS OR NORTH TEXAS GULF. NO. 1 HARD RED WINTER WHEAT ORDINARY PROTEIN 4.71 UP 3-2 3.56 NO. 2 SOFT RED WINTER WHEAT 4.75-4.77 UP 8-10 3.52-3.56 NO.2 YELLOW CORN 3.06-3.07 UP 1 2.17-2.19 NO.2 YELLOW SORGHUM RAIL 5.07 UP 2 BARGE 5.16 UP 5 3.39-3.52 NO.2 YELLOW SOYBEANS 8.45-8.48 UP 11-13 6.52-6.54.

North Jersey Market

Hackettstown, N.J.
Tues., Jan. 2, 1989
Hay—Straw & Grain Report

MIXED HAY: 1.50-2.20 BALE.
TIMOTHY HAY: 1.50-1.60 BALE.
GRASS HAY: 1.40-1.90 BALE.
WHEAT STRAW: 1.50 BALE.
SHELLED CORN: 8.00 BAG.
TOTAL: 15.

Leinbach's Hay

Shippensburg, PA
Dec. 31 and Jan. 3. Report supplied by Auction

TOTAL LOADS: 124.
ALFALFA: 68.00-126.00.
MIXED HAY: 65.00-117.00.
TIMOTHY: 57.50-103.00.
STRAW: 40.00-64.00.
ORCHARD GRASS: 62.00-99.00.
EAR CORN: 121.00-124.00.
MULCH HAY: 40.00-55.00.
OATS: 2.80-3.30 BU.
WOOD: 21.00-40.00 PICKUP LD.

Westminster Hay

Westminster, Md.
Tuesday, Jan. 3, 1989
Report Supplied by Auction

TOTAL LOADS: 33.
ALFALFA: 110.00-120.00, 1.75-1.95 BALE.
ALFALFA MIX: 99.00, 1.90 BALE, 1.90 BALE.
TIMOTHY: 81.00-87.00, 15.00 SM. RND. BALE.
TIMOTHY MIX: 65.00-78.00.
CLOVER: 79.00, 1.35-1.60 BALE.
STRAW: 69.00-81.00, .70-1.05 BALE.

King's Hay

Kirkwood, Pa.
Tuesday, Jan. 3, 1989
Report Supplied by Auction

TOTAL LOADS: 71.
ALFALFA: 92.00-131.00, 1 at 62.00.
ALFALFA MIX: 84.00-121.00.
MIXED HAY: 73.00-118.00.
CLOVER AND CLOVER MIX: 85.00-105.00.
TIMOTHY AND TIMOTHY MIX: 81.00-107.00.
STRAW: 19 LOADS, 63.00-91.00.
GRASS HAY: 81.00-111.00.
EAR CORN: 2 AT 113.00 AND 117.00.
FIREWOOD: 39.00 PICK-UP LD.

Frederick Co. Hay

Buckeystown, Md.
Thursday, Jan. 5, 1989
Report Supplied by Auction

TOTAL LOADS: 66. MARKET ABOUT STEADY ON BETTER HAY, WEAKER ON MEDIUM QUALITY; STRAW LOWER.

ALFALFA: 7 GOOD OR BETTER, 105.00-137.00, 5 FAIR, SOME DARK, 72.00-92.00.

ALFALFA MIX: 4 FAIR TO GOOD, 71.00-96.00.

TIMOTHY: 12 FAIR TO GOOD, 70.00-95.00, 9 FAIR, SOME DARK, 51.00-69.00.

MIXED HAY: 3 GOOD, 79.00-92.00, 2 FAIR, 59.00-67.00.

CLOVER: 1 AT 76.00.

STRAW: 11 BRIGHT, 55.00-75.00, 4 DARK, 42.00-52.00.

FIREWOOD: 5 LOADS SPLIT DRY OAK, 75.00-85.00 CORD, 1 LOAD SPLIT LOCUST 84.00 CORD, 2 LOADS MIXED WOOD, 60.00-67.00 CORD.

Belleville Hay

Wednesday, Jan. 4
Belleville, PA
Report Supplied by Auction

TOTAL LOADS: 53 LDS. HAY.
ALFALFA: 80.00-127.50.
MIXED HAY: 70.00-90.00.
STRAW: 55.00-82.50.

Take Your Seat, The Performance Is About To Begin.

You'll applaud the performance of Funk's G-Hybrids like G-4543, G-4626 and G-4446 when the curtain falls at harvest time.

A top choice for shelled grain or ear corn in 110 to 120-day maturity areas, G-4543 produces maximum yields even at lower populations. In Delaware hybrid field corn trials, it topped the field with 148.4 bu./A.

G-4626 has it all in a 115 to 120-day maturity hybrid—fast dry-down, outstanding stay-green, superior standability, excellent plant health and exceptional yields. In Delaware trials, G-4626 produced yields up to 200.9 bu./A.

G-4446 delivers superior late season standability, excellent grain quality and high test weights. A multi-purpose, widely adapted hybrid, G-4446 produced a state record 252.4 bu./A. in the 1986 Pa. Five-Acre Corn Club competition.

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Funk s is a brand name Numbers identify varieties

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John Martin Primus 215-383-6686
Leon Kurtz, Auctioneer
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Carlisle Livestock Market

Carlisle, Pa.
Tuesday, Jan. 3, 1989

CATTLE: STEERS: STRONG DEMAND! CHOICE 73.25-75.60; GOOD-LOW CHOICE 67.00-72.50; MEDIUM 61.75-66.85. HEIFERS: CHOICE NONE OFFERED; GOOD 66.00-66.75; GOOD HOLSTEINS 57.25-61.50. COWS: ACTIVE! EARLY-BIRD PENS 3.00 HIGHER. HIGH YIELD 49.25-52.50; GOOD 47.00-49.00; MEDIUM 45.00-46.85; BIG MIDDLE 43.00-46.50; SHELLY 42.00 & DOWN. FAT BULLS: MEDIUM 50.25-56.25. STEERS-- (400-850 LBS.) MOSTLY HOLSTEINS OFFERED, GOOD 72.00-84.00; MEDIUM 65.00-71.00. HEIFERS (ALL WEIGHTS) MOSTLY HOLSTEINS OFFERED. GOOD 64.00-68.00; MEDIUM 48.00-59.00. BULLS (ALL WEIGHTS) MOSTLY HOLSTEINS OFFERED, GOOD 70.50-76.50; MEDIUM 60.00-69.00.

VEAL CALVES: CHOICE 90.00-110.00; GOOD 83.00-89.00; MEDIUM 74.00-82.00; LIGHT/WEAK 72.00 & DOWN; FARM BULLS MOSTLY 135.00-165.00; FARM HEIFERS 90.00-114.00.

HOGS: BARROWS & GILTS 2.00 LOWER. US NO. 1-3 210-250 LBS. 42.35-43.50; UNDER 210 LBS. 2 & 3'S (ALL WEIGHTS) 33.75-41.50).

SOWS: 3.00 HIGHER. OVER 450 LB. 30.50-33.25; UNDER 450 31.25-35.00; 2 & 3'S 23.00-28.50.

BOARS: HEAVY 24.75-25.25, UNDER 300 LBS. 30.50-32.50.

FEEDER PIGS (BY THE HD) ACTIVE (20-25 LBS. 16.00-28.00) (30-50 LBS. 30.00-45.00 HD.)

SHEEP: LAMBS ACTIVE. GOOD & CHOICE (55-75 LBS. 93.00-101.00); GOOD & CHOICE 80-120 LBS. 80.00-91.00); MEDIUM 63.00-79.00.

GOATS (LG.) 75.00-80.00; (HD) SM./MED. 27.50-47.50.

NOTICE: SALE EVERY TUES. EVENING 7:00 P.M., LIVESTOCK 5:30 P.M., RABBITS, POULTRY & EGGS. NEXT STATE GRADED FEEDER PIG SALE FRIDAY, JAN. 13TH 1:30 P.M.

Four States Livestock

Hagerstown, Md.
Wed., Jan. 4, 1989
Report supplied by Auction

SLAUGHTER: FED STEERS LOW CHOICE 68.00-71.00; SELECT 62.00-70.00; STANDARD 55.00-62.00.

FED HEIFERS: 800-1050 LBS. CHOICE 65.00-70.00; SELECT 55.00-62.00; DAIRY CULLS 45.00-50.00.

COWS: HIGH YIELD 48.00-50.00, FEW TO 52.50; UTILITY-COMMERCIAL 44.00-48.00; CANNER-CUTTER 40.00-44.00; SHELLY 40.00-DOWN.

BULLS: FAT BEEF TYPE 52.00-54.75.

VEAL CALVES: GOOD 84.00-94.00; CULLS 80-120 LBS. 68.00-75.00; 60-80 LBS. 63.00-70.00.

HOLSTEIN BULLS: 95-125 LBS. 115.00-147.00; 90-95 LBS. 75.00-100.00.

HOLSTEIN HEIFERS: 90.00-118.00.

BEEF X: UP TO 95.00.

LAMBS: CHOICE 85 LBS. AT 78.00.

STEERS MEDIUM AND LARGE FRAME: 300-500 LBS. 73.00-80.00; 600-800 LBS. 64.00-79.50; 800-1000 LBS. 60.00-70.00.

HOLSTEIN AND HOLSTEIN X STEERS: 200-400 LBS. 69.00-77.00; 400-600 LBS. 58.00-73.00.

HEIFERS: 400-600 LBS. 64.00-76.00; 600-800 LBS. 60.00-69.00; 800-900 LBS. 57.00-67.00.

BULLS 400-600 LBS. TO 72.00; 800-1000 LBS. TO 62.00.

DAIRY REPLACEMENTS: SPRINGING HEIFERS 600.00-800.00.

PIGS AND SHOATS: BY THE HEAD: 20-30 LBS. 15.00-23.00; 30-40 LBS. 20.00-28.00; 19 HEAD, 63 LBS. AT 33.50; BY THE POUND 160-195 LBS. 33.00-38.00.

STOCK BOARS: 230 LBS. AT 32.50.

SLAUGHTER HOGS: 215-245 LBS. 41.00-42.00; 4 HEAD 280 LBS. AT 42.00; 2 HEAD 300 LBS. AT 40.00.

SOWS: 500-650 LBS. 33.00-37.50.

BOARS: 26.00-27.25.

ATTENTION TOBACCO GROWERS

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2 Miles east of Intercourse at the junction of New Holland Rd. & Rt. 340, (the original Pennsylvania Tobacco Auction Barn) starting Monday, November 28, 1988

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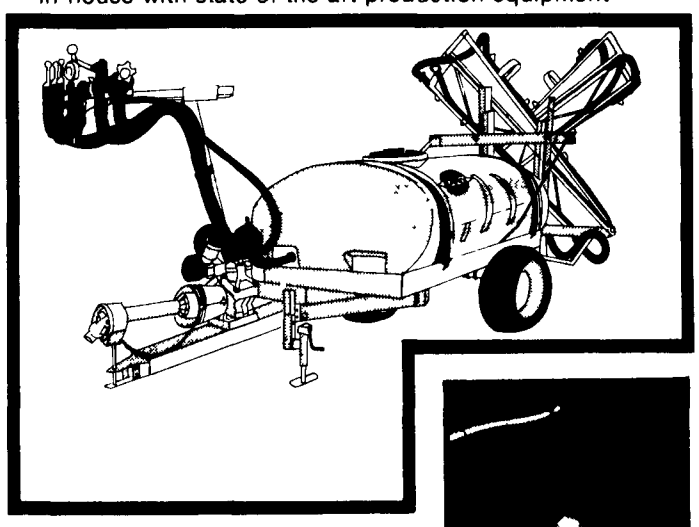

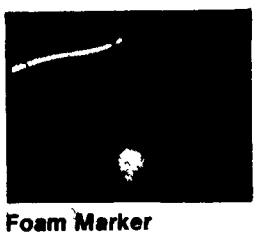

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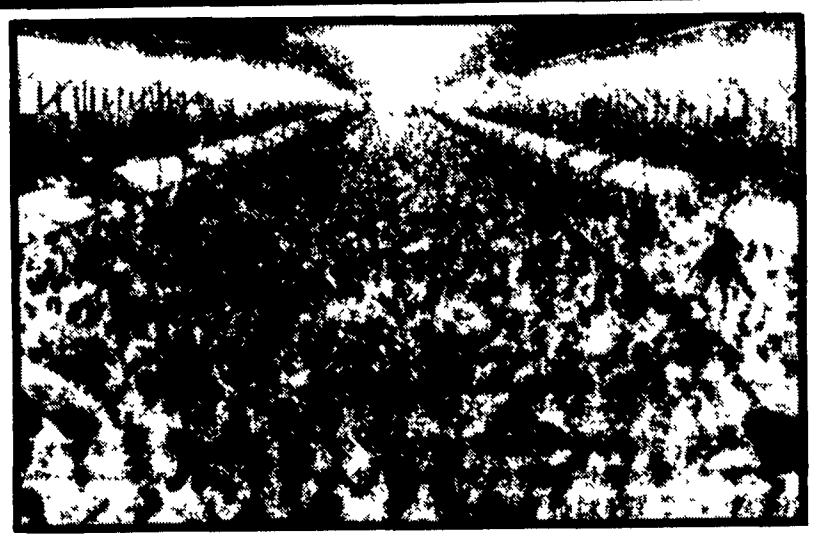

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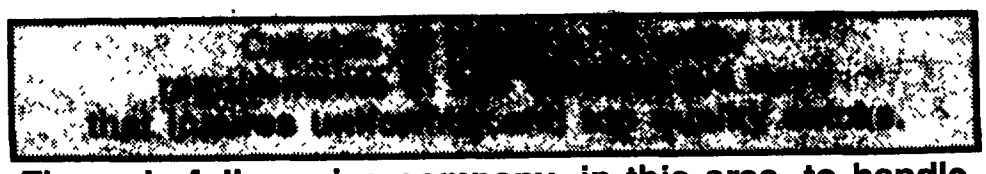

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Monday - Friday 8:30 AM - 4:00 PM

VIRGINIA MARKETS

Northern Virginia Area Livestock Summary

Orange, Va.

Wednesday, January 4, 1989

ALL TRENDS COMPARED TO LAST WEDNESDAY SLAUGHTER HOGS 10 HEAD - NO TRENDS REPORTED. SOWS US 1-3 300-500 LBS 31.00-33.00 BOARS 21.00.

SLAUGHTER CATTLE 155 HEAD - NO TRENDS REPORTED.

SLAUGHTER STEERS AND HEIFERS 5 HEAD.

HEIFERS; STANDARD 1-3 850-1100 LBS 49.00-54.00.

SLAUGHTER COWS 145 HEAD CUTTER & BNG. UT. 1-3 42.50-47.25 BRKG.UT. & COMM. 2-4 45.75-48.00 CANNER & LOW CUTTER 1-2 37.25-43.50.

SLAUGHTER BULLS 5 HEAD; 1-2 900-1300 LBS 53.00-58.50 1-2 1300-1600 LBS 50.00-52.75 1-2 1600 LBS & OVER 59.25.

FEEDER CATTLE 150 HEAD - NO TRENDS REPORTED. STEERS; MEDIUM 1 SMALL 1 200-300 90.00 --- 500-600 83.50-84.00 82.00-83.00 600-700 81.50-82.50.

HEIFERS; MEDIUM 1 LARGE 1 SMALL 1 300-400 75.00-81.50 --- --- 400-500 77.50-79.25 82.00 72.50 500-600 74.50-78.25 79.00 --- 600-700 75.00 --- --- BABY CALVES RETURNED TO FARMS 30 HEAD NEWBORN TO 4 WK OLD 42.50-115.00 PER HEAD. OVER 100 LBS 120.00 PER CWT.

Southeast And Central Virginia Area Livestock Summary

Smithfield and Southside (Blackstone)

Wednesday, January 4, 1989

ALL TRENDS COMPARED TO LAST WEDNESDAY (SOUTHSIDE (BLACKSTONE) AUCTION NO SALE).

SLAUGHTER HOGS 225 HEAD - SLAUGHTER SOWS STEADY TO 25 CENT HIGHER. BOARS STEADY TO 2.00 HIGHER. BARROWS AND GILTS US 2-4 200-250 LBS 42.50 2-4 180-200 LBS 40.50 SOWS US 1-3 300-500 LBS 32.50-33.70 500 LBS & OVER 33.80-33.90 BOARS 26.00-29.50.

SLAUGHTER CATTLE 108 HEAD - SLAUGHTER COWS 50 CENT TO $2.50 HIGHER. SLAUGHTER VEALERS 2.00 HIGHER.

SLAUGHTER COWS 99 HEAD CUTTER & BNG.UT. 1-3 42.75-48.50 BRKG.UT. & COMM. 2-4 43.00-48.50 CANNER & LOW CUTTER 1-2 40.00-42.50.

SLAUGHTER BULLS 4 HEAD; 1-2 1300-1600 LBS 51.00-55.00 1-2 1600 LBS & OVER 59.00-62.00.

SLAUGHTER CALVES AND VEALERS 5 HEAD VEALERS - GOOD AND CHOICE 100-250 LBS 89.00-90.00.

FEEDER CATTLE 466 HEAD - FEEDER HEIFERS 3.00-4.00 HIGHER. STEERS; MEDIUM 1 300-400 96.50 400-500 93.50 500-600 84.00-90.00 600-700 75.50-80.00 700-800 76.00-77.50 800-900 74.25 900-1100 70.00 HOLSTEIN STEERS; MED.&LARGE 1-2 300-500 LBS 78.50-85.00.

HEIFERS; MEDIUM 1 SMALL 1 MED.&LARGE 2 300-400 79.00-89.00 75.50-84.00 85.00-88.00 400-500 85.50-88.50 71.50-79.00 80.00-86.00 500-600 69.75-81.50 69.00-69.75 --- 600-700 65.00-74.00 --- --- FEEDER BULLS; MEDIUM 1 LARGE 1 SMALL 1 MED.&LARGE 2 200-300 LBS 105.00-124.00 --- --- 93.00-108.00 300-500 LBS 83.00-99.00 --- 77.50-80.00 74.00-89.00 500-700 LBS 77.00-84.00 73.00-80.00 --- 68.00 700-900 LBS 62.50-65.00 --- --- --- COWS RETURNED TO FARMS 9 HEAD; M-1&2, 650-950 LBS 44.00-49.00 PER CWT. BABY CALVES RETURNED TO FARMS 26 HEAD NEWBORN TO 4 WK OJ$ 25.00-65.00 1 AT 105.00 PER HEAD. OVER 100 LBS 71.00-137.00 PER CWT MOSTLY 125.00-130.00 PER CWT.

Friend's Stockyard, Inc.

Accident, Md. 21520

January 2, 1989

STOCK BULLS & STEERS (200 TO 400 LBS.) 71.00-102.00 CWT.

STOCK HEIFERS 58.00-84.00 CWT.

SLAUGHTER STEERS GOOD TO CHOICE 66.50-71.40 CWT.; MEDIUM TO GOOD 58.00-66.00 CWT.

HOLSTEIN STEERS HEAVY 53.00-58.50 CWT.; LIGHT 48.00-52.75 CWT.

SLAUGHTER HEIFERS GOOD TO CHOICE 62.50-70.00 CWT.; MEDIUM TO GOOD 55.00-61.00 CWT.

BULLS HEAVY 53.50-62.25 CWT.; LIGHT 48.00-57.00 CWT.

COWS FEW HIGH DRESSING UP TO 52.75 CWT.; UTILITY (HOLSTEIN) 45.00-51.00 CWT.; CANNERS 41.50-47.00 CWT.; COMMERCIAL TO GOOD 40.00-44.50 CWT.; CULL COWS 38.00 CWT. & DOWN.

VEALS GOOD TO CHOICE 80.00-97.00 CWT.; MEDIUM TO GOOD 70.00-81.00 CWT.

BOB CALVES 45.00-74.00 CWT.

HOLSTEIN BULL CALVES RETURN TO FARM (100 TO 120 LB.) 120.00-147.00 CWT.

HOLSTEIN HEIFER CALVES RETURN TO FARM (100 TO 120 LB.) 85.00-102.00 CWT.

HOGS TOP QUALITY 44.60-45.50 CWT.; HEAVY 42.75-44.80 CWT.; LIGHT 30.00-38.00 CWT.

SOWS 25.00-34.50 CWT.

MALE HOGS 20.00-27.00 CWT.

LAMBS 67.00-74.50 CWT.

FEEDER LAMBS 60.00-77.00 CWT.

SHEEP 15.00-24.50 CWT.

EGGS LARGE 73¢-86¢ PER DOZ; MEDIUM 69¢ PER DOZ; SMALL 60¢ PER DOZ.

BEEF HIDES 20.00 EACH.

North Jersey Livestock

Hackettstown, NJ

Tues., Jan. 2, 1989

Report supplied by auction

CALVES .30-1.60.
COWS .29½ -.52.
EASY COWS .24-.46½ .
HEIFERS .37½ -.60.
BULLS .43-.68.
STEERS .48¼ -.68.
HOGS .26-.37.
ROASTING PIGS, EACH 5.00-27.00.
SOWS .27-.28.
SHEEP .11-.82.
LAMBS EACH 31.00-62.00.
LAMBS PER LB. .38-.98.
GOATS EACH 29.00-106.00.
KIDS EACH 25.00-67.00.
HIDES EACH 1.00.
TOTAL: 1,457.

ATTENTION FARMERS

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Will Receive Your Hogs and Cattle at the
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- We will also accept your sows & boars.
- Your cattle will be received from 12:30 to 5 P.M. We will either pay you for your cattle immediately or you may sell them dressed weight.
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day.

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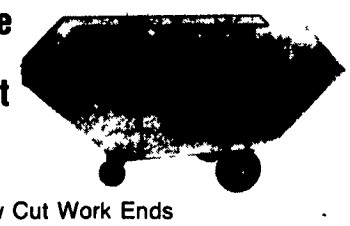

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Lancaster Farming

OPINION

We'll See You There

The economy of Pennsylvania depends on agriculture because agriculture is our primary industry. And because the men and women who farm and work in the supporting agribusinesses do such a good job, we have the leading agricultural state in the Northeast.

That's why this year's Farm Show theme, "Pennsylvania Agriculture--The Keystone of Our Economy," provides a worthy title to our annual showcase for agriculture in the State capitol. The Pennsylvania Department of Agriculture reports that 20 percent of the jobs in the State have their base in agriculture. In addition, this employment stimulates $35 billion in related economic activity.

Farm Show officials estimate that over 500,000 visitors make the annual visit to the nation's largest indoor agricultural exposition. That's good, because not all these visitors are farmers. Many who come are city or urban dwellers who make direct contact only with the farm at this time.

What better time to have visitors than when we have on our show clothes? We even get international visitors to the show.

More than 265 commercial exhibitors and about 8,000 individual entries in livestock, poultry, farm crops and home and school competitions will be on display. All will try for a share of the $184,156 in premiums.

In contrast, when the first farm show was held in 1917 at the Emerson Brantingham Building in Harrisburg, the premium total was $735. About 5,000 visitors attended that first show in 1917.

While it's hard to say just how much influence the farm show has had on the great advances in agricultural production and technology, there can be no doubt that it serves as a valuable incentive to improve agriculture. This premnier exhibit recognizes the outstanding achievements of the industry and offers a unique location to display new technological advancements. The competition provides a spirit that helps increase farm production year after year.

Whatever your reason for attending the Farm Show next week, we believe you will find something to hold your interest. Come snow or high water, we hope to see you there.

FARM FORUM OUR READERS WRITE

Editor:

Having had my first contact with newspaper reporters in the early '40s when I started my first irrigation project and quite a few since during my farm operation I will say your two articles in Dec. 24 issue on our school problem is very well put.

First I want to thank you for your effort and if possible convey my thanks to every person that contributed information to send articles in some future issue of your farm magazine.

With our property adjoining this school property and myself working this ground for forty years I could not fail to see a lot about the building and operation of our school. The one word to best describe it I think is disgrace and the uprising which seems to be widespread and to my judgment is long overdue.

Every school tax payer should read the Trojan Horse in American Education by Samel Bleumenfeld.

(Turn to Page A20)

Farm Calendar

Saturday, January 7

PA Farm Show, Harrisburg Farm Show Complex, through Jan. 13.

Dauphin County Annual Meeting, Dauphin Co. Ag & Natural Resource Ctr.

Monday, January 9

PACAA Board Meeting, Penn Harris Motor Inn, 9:00 a.m. to noon, board meets with farmers noon to 3:00 p.m.

York County Family Records Workshop, 10:00 a.m. to 7:00 p.m., Extension Office.

Egg Producers Meeting, Lancaster Holiday Inn North, 6:30 p.m.

Pesticide Exam, Lancaster Farm & Home Center.

Tuesday, January 10

Annual meeting & banquet of the PA Dairyman's Association,

(Turn to Page A19)

NOW IS THE TIME

By Jay Irwin
Lancaster County Agriculture Agent

To Transfer Silage

Livestock and dairy producers who have silage stored in temporary structures might be planning to move this feed into upright silos in the next month or so. Many producers use the temporary storage until some of the material is fed out of the upright silo. By transferring into the upright silo, mechanical feeders can be used. The objective is to move the silage during cold weather. The months of January and February normally provide this condition. When transferring during warm weather (above 50°F) there is danger of more heating of the silage. No preservative should be needed. The faster the material can be moved into the upright silo, the better it will settle and remove the air.

To Be Aware of Child Labor Laws

If you have boys or girls between the ages of 14 and 16 that plan to operate a farm tractor or machinery on a farm, other than your own farm, be sure they have the proper certification. Under the child labor regulations, the law requires that those boys or girls between 14 and 16 years of age, be certified and carry a certification card before they are permitted to operate hazardous equipment. Some equipment listed under the law as hazardous are... a tractor with over 20 PTO horsepower, corn picker, hay baler, feed grinder, forklift and many more. Again, on your own farm, your children can operate any equipment that you feel is safe for them.

The certification process in most areas is through the Vocational Agricultural Departments in the school system or through the 4-H Tractor Clubs. Contact either for more information.

To Service Farm Machinery

This is the time of the year to be preparing your farm equipment for spring work. In the first place, this machinery should not be out in the weather. I know that buildings are expensive to construct, so if you are out of building space, cover the equipment with a tarp; this will reduce weather damage.

Preparing farm machinery for the coming spring and summer is necessary during this slower season. You can make use of the off-season labor supplies. Machinery is a huge investment and should be kept in good condition at all times. We had a policy on my father's farm to always give a good grease job to all equipment going into storage for the winter... this kept moisture out of the bearings. Rain and snow will soon develop rust on equipment; this will shorten the life span and is a primary cause of many unnecessary breakdowns.

To Use Sawdust On Icy Walks

Freezing rain, sleet and hard packed snow on walkways and driveways are quite slippery and dangerous. The next time you have this condition, try using coarse sawdust to reduce the hazard.

Ammonium nitrate and other fertilizers have been used for melting ice and they may be effective, but the chemical reaction will ruin a concrete surface in just a year or two. Sand and grit from deteriorating concrete, when tracked into the house, is a nuisance to clean and it marks and scratches finished floors.

Some commercial ice melting compounds containing ammonium nitrate are just as bad as fertilizers and the runoff from these melting chemicals may kill grass, trees and shrubs.

Coarse sawdust spread on slippery sidewalks provides a relatively skid-free surface. It has no harmful effect on concrete or plant life. It is much easier to pick up with a vacuum cleaner if tracked into the house.

The Penn State Cooperative Extension is an affirmative action, equal opportunity educational institution.

THE BIBLE SPEAKS
BY LAWRENCE W. ALTHOUSE

INTO THE DEEP

January 8, 1989

Background Scripture: Luke 5:1-11.

Devotional Reading: Matthew 16:21-28.

Hardly a day goes by that my local newspaper doesn't run a story about a business enterprise that is in danger of failing because its goals were bigger than its resources. I must confess, however, that I have never known of a church that failed because it was too dedicated to the mission of Christ or attempted to do too much for others. Somewhere there may have been one or two, but I've never known of a church that went broke because it gave too much away. To be sure, I have known of a few churches that built structures they couldn't pay for. But I have observed that most of the churches that close their doors are those that never tried to do enough.

A few months ago I read *The Art of the Deal* by Donald Trump. It is the story of how one entrepreneur has been able to raise enormous sums of money for commercial projects that would stagger the imagination of ordinary people. Through faith in himself and the economic process, Trump has performed some financial miracles. Although he has experienced some defeats and disappointments along the way, this man is obviously not afraid to launch out into the depths of commercial enterprise and do things that others wouldn't imagine in their wildest dreams.

LAUNCHING OUT

By comparison, we Christians, blessed with even greater resources and promises, are not all enterprising for the sake of the gospel. I'm not talking about building a new church or enlarging an old one -- one can always raise funds for bricks and mortar. I'm talking about ways and means of proclaiming the gospel beyond the four walls of our church buildings, of meeting some of the monumental needs that cry out from our communities. It would seem that what the church lacks today is the enterprising spirit that is essential in the world of business.

Jesus met with such success in his early ministry that the crowds became a problem. On one occasion, the press of the crowd is so great that Jesus gets into Peter's fishing boat and pushes a few feet offshore before settling down to preach and teach once again. In the midst of all this, Jesus instructs Simon Peter and his associates to "Put out into the deep and let down your nets for a catch" (5:4).

Peter is incredulous: "Master, we toiled all night and took nothing!" Peter could respond to Jesus on one of two levels. On the basis of reason and experience alone, he would have to reject Jesus' challenge. After all, fishing was Peter's trade and there were obviously no fish to be caught. Peter, however, wisely opted for faith instead of reason: "But at your word I will let down the nets" (5:5).

CATCHING MEN

Luke tells us what happened next: "...when they had done this, they enclosed a great shoal of fish; and as their nets were breaking, they beckoned to their partners in the other boat to come and help them. And they came and filled both the boats, so that they began to sink" (5:7). On their own efforts they had gotten nothing: because of Christ, however, their take of fish was overwhelming.

This is not a scriptural "big fish" story, however, but a living parable for Peter, James, John... and us. When Peter reacts with holy fright, Jesus reassures him: "Do not be afraid; henceforth you will be catching men" (5:10). And so will we, if in faith we will dare to "Put out into the deep."

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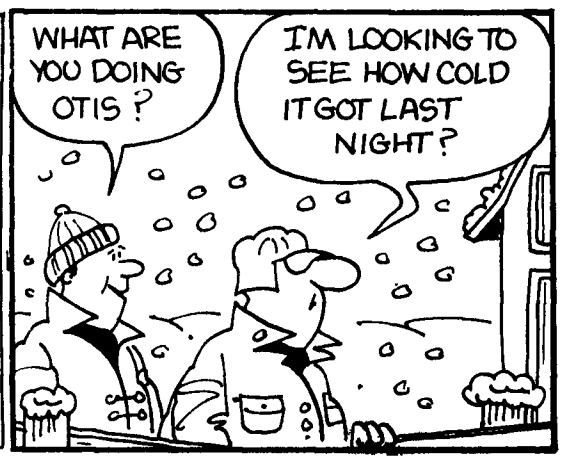
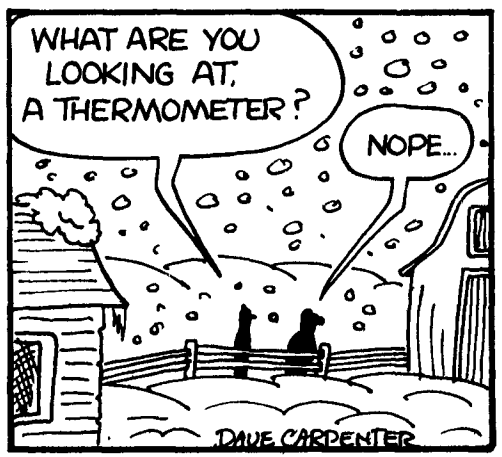
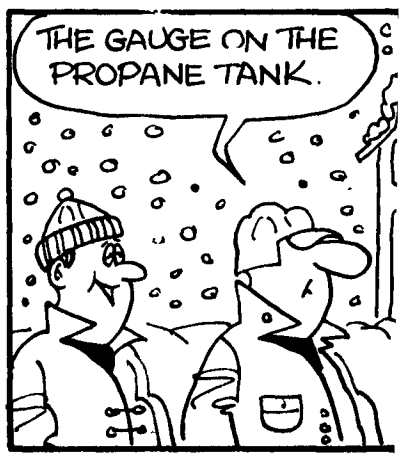
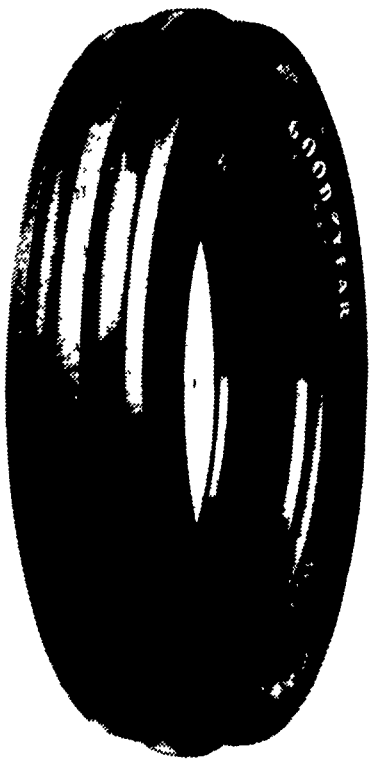






GOODYEAR
FARM TIRE BARGAINS



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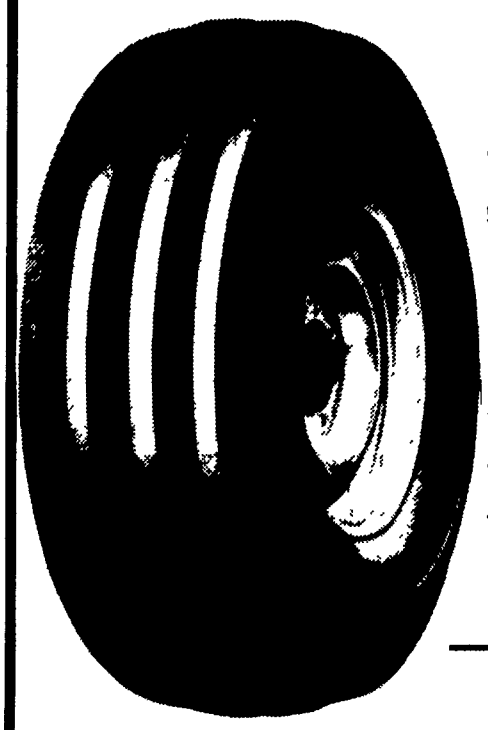

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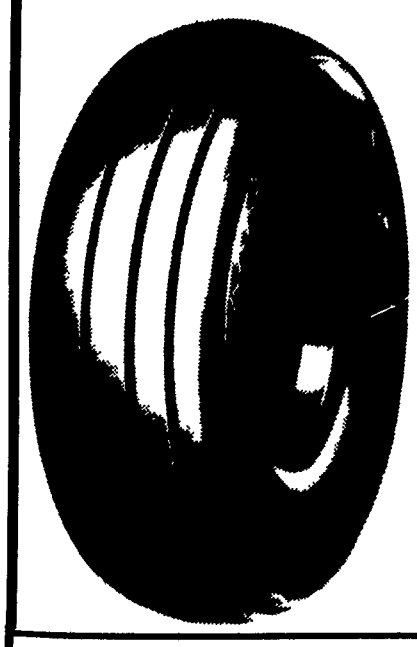

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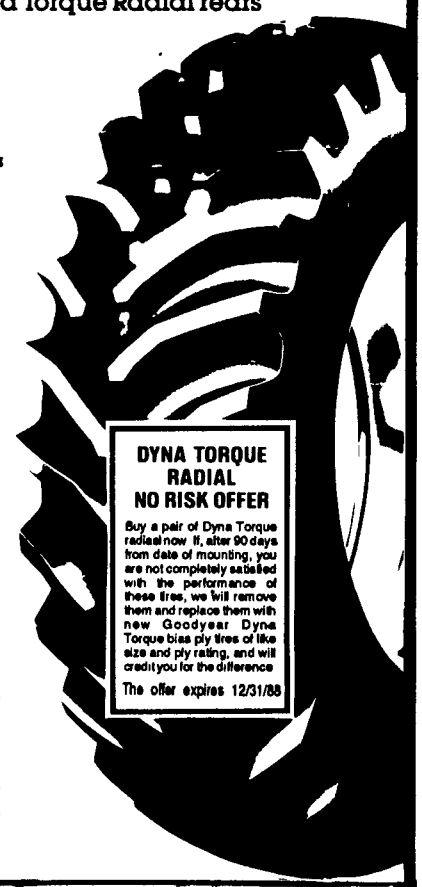

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Westminster Livestock Auction

Hagerstown, Md.
Tuesday, Jan. 3, 1989
Report supplied by auction

SLAUGHTER COWS: HIGH YIELD: 49.00-50.00; UTILITY 45.00-48.50; CANNERS 40.00-45.00; SHELLY 40.00 DOWN.

BULLS: YG#1 AT 57.00.

FED STEERS: SELECT 65.00-69.00; STANDARD 55.00-64.00.

FED HEIFERS: 800-1050 LBS. LO CHOICE 62.00-65.25; SELECT 56.00-62.00.

VEAL CALVES: 200-300 LBS. CHOICE 99.00-110.00; GOOD 75.00-90.00; KILLERS 80-120 LBS. 67.00-74.00; 50-80 LBS. 60.00-67.00.

FARM CALVES, HOLSTEIN BULLS: 95-125 LBS. 110.00-140.00; SMALL FRAME 90-100 LBS. 75.00-100.00.

HOLSTEIN HEIFERS: 75.00-90.00; BEEF X BULLS AND HEIFERS 80.00-102.00.

BUTCHER HOGS: US#1 & 2 43.00-45.00; US#1 AND 3 215-255 LBS. 41.00-42.75; 14 HEAD #2 AND 3, 400-550 LBS. 27.00-30.00.

SOWS: 300-500 LBS. 28.50-32.00; 500-700 LBS. 29.00-31.50; THIN SOWS 22.00-27.50.

BOARS: 25.00-26.50.

STOCK CATTLE: STEERS 350-500 LBS. 80.00-85.50; 500-700 LBS. 71.00-85.50; 700-900 LBS. 62.00-73.00; 900-1000 LBS. 64.00-71.00.

HEIFERS: 400-500 LBS. 67.00-73.00; 500-700 LBS. 63.00-73.00; 700-800 LBS. 60.00-73.00.

BULLS: 400-500 LBS. 67.00-80.00; 700-900 LBS. 56.00-61.00.

LAMBS: CHOICE 100-120 LBS. 65.00-70.00.

SHEEP: 25.00-38.00.

GOATS: LARGE 60.00-80.00; MEDIUM 40.00-60.00; SMALL 30.00-40.00.

PIGS AND SHOATS: BY THE HEAD, 30-50 LBS. 19.00-21.00; 1 LOT 60 LBS. AT 26.00; 1 LOT 112 LBS. AT 44.00.

BY THE POUND: 130-180 LBS. 35.00-38.50; STOCK BOARS 200-265 LBS. 28.00-31.00; 300-350 LBS. 25.00-26.00.

Frederick Livestock Auction

Frederick, Md.
January 2, 1989
Report Supplied by Auction

BUTCHER COWS: .50 LOWER, HIGH YIELD 49.00-50.00; UTILITY 45.00-49.00; CANNERS 42.00-45.00; SHELLY 42.00 DOWN.

BULLS: YG#1 TO 60.50.

STEERS: SELECT HOLSTEINS 55.00-60.00.

HEIFERS: SELECT 58.00-62.50.

BUTCHER HOGS: LIGHT RUN, 2 LOTS 250-265 LBS. 42.00-44.00.

BOARS TO 25.75.

SOWS: 500-600 LBS. 30.00-31.25; THIN SOWS 23.00-25.50.

VEAL CALVES: GOOD DEMAND FOR CHOICE (2) 275 LBS. AT 105.00 AND 114.00; CULL CALVES 80-120 LBS. 68.00-73.00; 50-80 LBS. 63.00-69.00; WEAK AND ROUGH 60.00 DOWN.

CALVES RETURNING TO FARM: 10.00 LOWER. HOLSTEIN HEIFERS 90-120 LBS. 85.00-98.00; HOLSTEIN BULLS 85-90 LBS. 75.00-95.00; 95-125 LBS. 110.00-140.00.

LAMBS: CHOICE 6 HD. 119 LBS. AT 70.00; (1) 100 LB. AT 81.00.

SHEEP: 25.00-30.00.

GOATS: MEDIUM 40.00-50.00.

STOCK CATTLE: STEERS 400-600 LBS. 75.00-84.00; 600-800 LBS. 65.00-70.00; HEIFERS 500-700 LBS. 60.00-69.00; 700-900 LBS. 60.00-64.00; BULLS 400-600 LBS. 69.00-76.50; SPRINGING HEIFERS 625.00-785.00.

PIGS AND SHOATS BY THE HD. 40-60 LBS. 22.00-27.00.

Oklahoma City Feeder Cattle Weekly

Oklahoma City, Okla.
Wednesday, January 4, 1989

WEEKLY CATTLE SUMMARY: COMPARED WITH TWO WEEKS AGO---FEEDER CATTLE AND CALVES STEADY. DEMAND GOOD FOR BOTH CALVES AND YEARLINGS. COMPARED WITH LAST WEEK---SLAUGHTER COWS STEADY. MAJORITY OF COWS SOLD TO PACKERS; ONE-FOURTH TO FEEDER OR REPLACEMENT BUYERS. SLAUGHTER BULLS 1.00-2.00 LOWER. RECEIPTS THIS WEEK 2,425; LAST WEEK 442; LAST YEAR 5,197. LIGHT RUN THIS HOLIDAY SHORTENED WEEK; HEAVY RUN PROJECTED FOR NEXT WEEK. SUPPLY INCLUDED: 45% YEARLING FEEDER CATTLE; 34% FEEDER CALVES; 21% COWS AND BULLS. BULK SALES FOR THE WEEK FOLLOW:

FEEDER STEERS: MEDIUM AND LARGE FRAME 1, 300-400 LB. 105.50-117.00; 400-450 LB. 97.50-105.25; 450-500 LB. 95.50-101.00; 500-600 LB. 90.25- 97.50; 600-700 LB. 85.25-89.00; 700-800 LB. 82.25-85.50; 800-900 LB. 79.00-84.25; 900-1000 LB. 74.50-79.00.

FEEDER HEIFERS: MEDIUM AND LARGE FRAME 1, 250-400 LB. 89.50-101.50; 400-500 LB. 85.50-90.50; 500-600 LB. 81.75-86.00; 600-700 LB. 79.75- 82.50; 700-800 LB. 77.25-80.25.

SLAUGHTER COWS: CUTTER, BONING UTILITY, AND BREAKING UTILITY 1-4 46.25-52.00, HIGH-DRESSING 50.50-55.00. CANNER AND LOW-DRESSING CUTTERS 40.25-44.25.

SLAUGHTER BULLS: Y.G. 1-2, 1100-2300 LB. 54.00-60.00; LEAN HIGH-DRESSING AND BONING 63.00-65.00; LOW-DRESSING &/OR FLESHY 52.00-55.25.

REPLACEMENT OR FEEDER COWS: PRE-TESTED FOR BANGS, PREGNANCY, AND AGE. MEDIUM FRAME NO. 1-2 MUSCLED COWS---7-8 YEAR OLD 825-1100 LB. OPEN TO 6 MONTHS BRED 47.50-52.00/CWT. 8-10+ YEAR OLD 750-1050 LB. 3-6 MONTHS BRED 44.00-49.00/CWT.

Shenandoah Valley Livestock

Harrisonburg, Va.
Sat., Dec. 31, 1988
Report supplied by auction

TRENDS COMPARED TO TWO WEEKS AGO.

FEEDER CATTLE: STEERS: M&L-1 300-500 LBS. 88.00-96.00; 500-700 LBS. 85.00-86.00; 700-1000 LBS. 70.00-73.00; HOLSTEIN 300-1,400 LBS. 73.00.

HEIFERS: M&L-1 300-500 LBS. 70.00-81.00; 500-700 LBS. 75.00.

STOCK COWS: BABY CALVES: BY HEAD 35.00-131.00; BY CWT. 110.00-130.00.

SLAUGHTER COWS: TREND: STEADY TO $3 HIGHER. UTILITY & COMMERCIAL 2-4 42.00-53.00; CANNER & CUTTERS 1-3 35.00-43.00.

LAMBS: TREND $2.50 HIGHER. BLUE O HIGH CHOICE & PRIME 71.25; RED O CHOICE 77.00; FEEDER LAMBS CHOICE 81.00-83.00; SLAUGHTER EWES 25.00-32.00.

HOGS: US 1-3 200-240 LBS. 42.75-43.75; SOWS 1-3 32.50.

VEALS: GOOD 82.00.

SLAUGHTER CALVES: GOOD & CHOICE 70.00-79.00.

Peoria Cattle

Peoria, IL
December 29, 1988

TRADING ACTIVE, DEMAND MODERATE. COMPARED WITH LAST WEEKS CLOSE SLAUGHTER STEERS SOLD 1.50 TO 2.00 HIGHER; SLAUGHTER HEIFERS 1.00 TO 1.50 HIGHER. SLAUGHTER COWS AND BULLS SOLD FULLY STEADY. BULK OF SALES TUESDAY WITH NO CLASS WELL TESTED LATER IN THE WEEK. SUPPLY MAINLY SELECT TO AVERAGE CHOICE SLAUGHTER STEERS AND HEIFERS WITH ABOUT 15% COWS. ESTIMATED RECEIPTS THIS HOLIDAY SHORTENED WEEK ABOUT 800 AS COMPARED WITH ACTUAL RECEIPTS OF 1016 A WEEK AGO AND 1593 A YEAR AGO.

SLAUGHTER CLASSES: STEERS: CHOICE 2-4, MOSTLY 3, 1050-1250 LBS. 73.50-75.50 900-1050 LBS. 72.00-73.50 SELECT & CHOICE 2-3, 1000-1200 LBS. 70.00-72.00

HEIFERS: CHOICE 2-3 1100-1225 LBS. 73.50-74.50 CHOICE 2-4, MOSTLY 3, 1050-1200 LBS. 72.00-73.50 950-1100 LBS. 71.00-72.00 SELECT & CHOICE 2-3, 900-1100 LBS. 69.00-71.00

COWS: BREAKING UTILITY AND COMMERCIAL 2-3 42.00-45.00 CUTTER AND BONING UTILITY 1-2 44.00-48.00 HIGH DRESSING INDVIDUALS 49.00-50.00 CANNER AND LOW CUTTER 1-2 37.00-42.00

BULLS: YIELD GRADE 1-2 1500-2100 LBS. 56.00-59.00 1100-1500 LBS. 50.00-56.00.

St. Louis Cattle, Hogs

January 4, 1989

CATTLE AND CALVES: 100 (100 SLTR, 0 FDRS)

RECEIPTS CONSISTS OF COWS. TRADING MODERATELY ACTIVE. COWS STEADY.

SLAUGHTER CLASSES: SLAUGHTER COWS: CUTT, UTIL, COMM BULK SALES HI DRESS % LO DRESS % BREAKING 2-4 45.00-49.00

BONING 1-2 49.00-50.00 MOSTLY 50.00 FEW 51.00

CANN CUTT 1-2 43.00-47.00

SHELLY CANNER 1-2 38.00-43.00

DS NO QUOTATION CHANGES.

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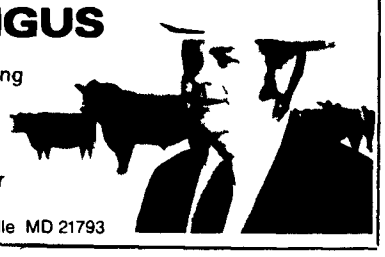
When you need help in locating and buying the kind of Angus bulls cows or heifers you want—just contact me I ll be glad to assist No cost or obligation—it s my job



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Penns Valley Livestock

Centre Hall, Pa.
Tuesday, Jan. 3, 1989
Report Supplied by Auction

BEEF COWS: UTILITY AND COMMERCIAL 47.00-52.00; CUTTERS 44.00-46.50; CANNERS 40.25-43.50; SHELLS 38.00.

HEIFERS: STANDARD 55.00-57.50; COMMERCIAL 47.00-54.00.

STEERS: SELECT 60.00-65.50; STANDARD 53.00-57.50.

BULLS: NOT ENOUGH TO TEST.

FEEDER CATTLE: 300-500 LBS. LARGE FRAME 61.00-70.00; SMALL FRAME 52.00-58.00; 500-700 LBS. LARGE FRAME 51.00-62.00.

VEAL CALVES: GOOD 77.00-84.00; STANDARD 70.00-76.00; UTILITY 60.00-69.00.

FARM CALVES: BULLS 105.00-154.00; HEIFERS 85.00-110.00.

SOWS: 33.00-36.00.

SHOATS: NOT ENOUGH TO TEST.

SHEEP: 24.00-36.00.

Philly Potato & Onion Report

Thursday, January 5, 1989

ONIONS-DRY STEADY 50-lb sacks US#1 or generally good quality and condition Yellow unless otherwise stated CO Spanish Hybrids jumbo 950- 975 White Jumbo 10.50 ID-OR Spanish Hybrids jumbo 9-950 mostly 950 NE Spanish Hybrids jumbo 850; 700 MI Globe type medium fair condition 625-650.

POTATOES STEADY 50-lb sacks US#1 size A washed or brushed unless otherwise stated Round Whites LI 625 large 725-750 ME 550-575 large 7- 725 PA 400 CANADA CD#1 New Brunswick 575-625 Round Reds MN-ND 900 size B 11.50 Russets 50-lb carton count ID 70s 13.00-14.00 80s 12.00-14.00 mostly 13.00-14.00 90s 12.00-13.00 100s 10.50-12.00 WI 80s 11.00-11.50 90s 10.50-11.00 100s 9-950 CANADA CD#1 Prince Edward Isle 70s 11.00 80s 11.00-11.50 90s 10.00-10.50 100s 9.00-950.

Some Markets Not Available Due To Early Press Deadlines

Estimated Daily Livestock Slaughter

Under Federal Inspection
Wed., Jan. 4, 1989

	CATTLE	CALVES	HOGS	SHEEP
WED., 1/4/89 (EST)	131,000	10,000	327,000	22,000
WEEK AGO (EST)	125,000	10,000	342,000	21,000
YEAR AGO (ACT)	135,000	10,000	324,000	18,000
WEEK TO DATE (EST)	264,000	21,000	667,000	42,000
SAME PD LT WK (EST)	253,000	21,000	656,000	40,000
SAME PD LT YR (ACT)	396,000	33,000	932,000	56,000

Green Dragon Livestock Sales

Location: Ephrata RD 4. 1 mile N. on North State St., Ephrata.

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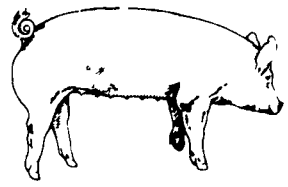
11:00 A.M.-Beef Sale 200-300 each week.
1:00 P.M.-Dairy Sale.
7:00 P.M.-Small Animal Sale.

For Special Sales and Herd Dispersals on farm or at our barn or other market information call: Office 717-733-2444, Home 717-838-4318.

WALTER H. RISSER, Proprietor

All out of state and new buyers must have cash or certified check or current letter of credit from bank.



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NOTICE:
CHANGE OF SALE DAYS
NEXT SALES - Monday, Jan. 9 at 9:30 a.m. and THURSDAY, Jan. 12 at 9:30 a.m.

Farmers with open ended contracts may want to wait until peak market prices occur at the auction before delivering tobacco to receiving areas. Prices have increased every week since our opening and we expect another market increase next week. Get your tobacco stripped and get it in here now! We need tobacco badly!

Remember, AUCTION IS WORKING for the whole farm community. We appreciate those farmers that have supported us to better prices for tobacco farmers as a whole.

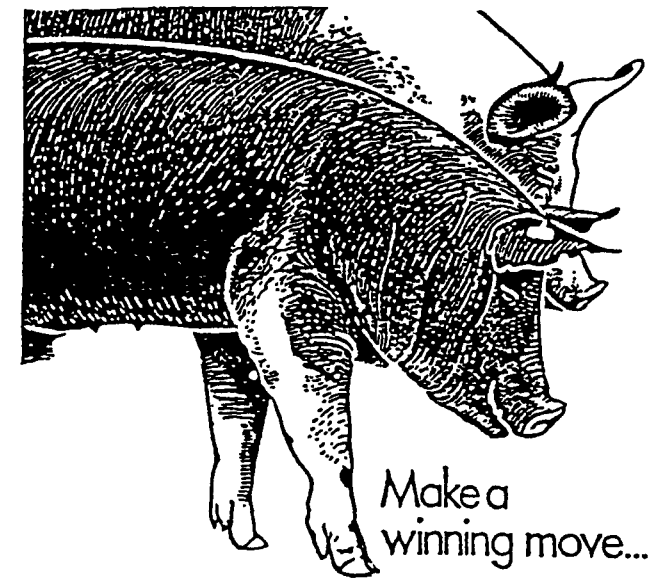
We would appreciate, that all farm related businessmen and any other folks that offer an opinion on the tobacco auction, would visit our sale on Jan. 9 to view the benefits that auction has provided to the tobacco growing farm community. TOBACCO WILL CONTINUE TO PROVIDE A GOOD SOURCE OF INCOME TO THE LANCASTER CO. AG. COMMUNITY FOR YEARS TO COME.

WE AT PARADISE ARE SO VERY, VERY CLOSE TO CREATING AN ESTABLISHED TOBACCO MARKET. IT IS IMPORTANT FOR YOUR FUTURE THAT WE STAY! - SO REMEMBER US WHEN MARKETING SOME OR ALL OF YOUR TOBACCO!

Remember, Our Wednesday sales now change to Thursdays

We are now dealers of 3 compartment bale boxes, tobacco seed, and cotton baling twine.

PARADISE TOBACCO SALES



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Valley Livestock

Athens, Pa.
Monday, Jan. 2, 1989
Report supplied by auction

HOLSTEIN HFR. CALVES TO 105.00.
VEAL CALVES TO 99.00.
BULL CALVES TO 165.00.
SLAUGHTER CALVES 60.00-75.00.
GRASSERS & FEEDERS 40.00-60.00.
LAMBS 55.00-80.00, FEW TO 85.00.
SHEEP 18.00-30.00.
HOGS, 200 TO 250 LBS. 38.00-44.00.
SOWS 22.00-30.00.
BOARS 20.00-26.00.
PIGS 12.00-28.00.
HEIFERS 40.00-54.00.
STEERS 45.00-59.75.
STEERS, FEEDER 50.00-75.00.
BULLS, 48.00-63.50.
COWS, GOOD, 46.00-48.00, FEW TO 52.00.
COWS, MEDIUM, 43.00-46.00.
COWS, POOR OR SMALL 28.00-40.00.
CATTLE MARKET STEADY.
CALF MARKET STEADY.
GOATS TO 80.00.
HORSES TO 640.00.
PONIES TO 80.00.
REMARKS: REAL ACTIVE SALE.

FARM BUREAU ACRES

(Continued from Page A3)

Acres Hog Update: Live hog futures closed mostly higher with today's strength attributed to higher than expected cash fundamentals. Further fuel was added by a slight decrease in marketings with positioning featured in advance of Friday's USDA Hog and Pig report which is expected to be bullish. Pre release estimates were published today which projected inventory at 102.5% of last year with marketings also at 102%. March/May farrowing intentions are expected to be around 97.2% of last year.

ACRES NEXT DAY OUTLOOK: cash - steady futures - steady

Beef Briefs

by
John Comerford
Penn State
Beef Specialist

Selenium Deficiency In Beef Cattle

I am often asked about deficiency and supplementation of selenium for beef cattle. As most beef breeders and feeders know, Pennsylvania soils are low in this mineral. The most obvious result of a deficiency of selenium is white muscle disease in the young calf. There may be very few symptoms other than stiffness and lameness. Death usually occurs very fast, so there may be no symptoms at all except a dead animal.

The results are somewhat different for the mature cow. There is little evidence to suggest that a mature cow will die from a deficiency of selenium. However, some research conducted at Penn State has shown the immune system of the dairy cow can be compromised by a selenium deficiency. The result is the white blood cells do not effectively kill an invading organism. Subsequent infection from the organism may occur. Additionally, the muscle weakness, usually attributed to grass tetany, may be complicated by a deficiency. Finally, observations have been made of more retained placentas and post-partum infection due to a lack of selenium.

The most effective way to determine a deficiency is a blood test from a herd sample. Supplementation is then the next step, but it is a very difficult one for many beef breeders. The actual requirement of selenium is up to 3 mg. per head daily for animals on deficient soils. Cattle on pasture or not receiving any mixed feeds will be difficult to supplement with the small amounts of selenium that are needed.

There are two things that can be done. First, if some mixed feeds are fed, pre-mixes containing about .6 percent selenium are available to mix with ground feed. These pre-mixes also can be used to mix in a free-choice mineral mix. However, a strong caution is in order to anyone who attempts using it in a mineral mix. The total amount of selenium needed as a daily supplement is very small, and too much is as bad as too little (you've heard the stories about cattle eating "loco weed" in the West—this is a result of selenium toxicity). Very careful mixing and weighing of ingredients is necessary.

Secondly, injections for vitamin E/selenium are readily available for beef cows. They provide a relatively high blood level of selenium for up to 30 days. This may be the best management for deficient cows just prior to calving, lactation, or a nutritional stress. The levels then can be maintained by using a mineral mix that contains some additional selenium.

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- Cultivator Parts
- Grain Drills
- Trip Plows
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- Cultipackers and Roller Harrows (John Deere and Brillion)

This is a partial listing. Please call for availability even if your machine is not listed.

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JD 2040 Diesel....$6,950
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JD 2640 w/Roll Guard....$10,900
JD 2750 Sound Guard, Like New
JD 1530 Diesel Hi-Lo
JD 4230 Power Shift, High Back Seat, Sharp
Ford CL-40 Skid Steer Loader, 42 HP, Water Cooled....$4,250
JD 375 Skid SOLD Loader, Diesel, Almost New
JD 70 Skid Steer Loader, Gas....AS IS $2,200

COMBINES & PICKERS:
6620 Side Hill, turbo hydro, heater & air, monitor, spreader.
NI 324 2 Row Wide 12 Row 327 bed....$3,950
NI 818 combine, sharp
#244 Corn Head
NI 2 row narrow w/sheller, A1....$3,950
JD #243 2 Row 30" Snapper Head....$2,350
NI Picker, 2 Row Narrow 12 Roll Bed, Nice....$5,800
JD #343 3 Row 30" Corn Head
JD 300 Husker w/3 Row Head
JD 40 Combine w/2 Row and Grain Head
JD 6620 LL Hydro Combine, Nice
13' Rigid Head for Side Hill....$1,750
JD 13' Grain Head w/Floating Bar
JD 4400 (1979) Diesel Combine, Loaded, Sharp
Gleaner FII Diesel Combine w/438 Corn Head and 13' Grain Platform
NI 12 roll husking bed w/elevator....$2,450
JD 10' Grain Head for 3300 or 4400 Combine....$1,850
NI #702 Uni System w/#737 Picker And #743 3 Row Corn Head, Sharp Unit....$8,750
JD #443 Corn Head
JD #444 Corn Head
JD 300 Husker w/243 Corn Head

GRAIN DRYERS:
New Farm Fans AB8 Auto-Batch Dryer. MUST MOVE. CALL FOR PRICE.... (Dealer Inquiries Welcome)

HAY & FORAGE EQUIPMENT:
NH 272 Baler w/58 thrower, nice....$3,850
(1) (2) SOLD 9 Haybine
NH #282 Baler w/Thrower
JD 640 Rake
NI #402 Rake
JD 14T Baler w/Chute....$575
JD 1 Row, Row Crop Attachment, Nice....$550
JD 336 Baler w/SOLD ctor, Nice....$5,850
PZ R SOLD dder....$750
JD 5½' Pickup Attachment
JD 2 Row 30" Row Crop Attachment
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Ford 3 Pt. Flail Mower

CULTIPACKERS
(1) (2) Brillion 25' Wing Fold Packer....$4,500
JD 12' Cultipacker....$1,050
Brillion 16' Packer w/Transport....$1,875
Brillion 9'....$425
Brillion 10' w/Big Shaft....$950
Brillion 15' w/Transport....$1,675
Brillion 12' no Transport....$1,050

Coming In...
JD 500 Grain Cart, almost new
JD 4430 Quad Range, Sound Guard Tractor w/ duals 18.4x38
JD 1209 Mower Conditioner, late style
JD 336 Baler w/hydraulic bale tension
NH 65 Baler w/Thrower

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JD F350 5-16" Hyd. Reset Plow....$2,350
JD Model 1610 14' Chisel Plow....$2,650
JD #1450 5B 20" Plow....$2,250
IH 530 5B Trip Plow....$950
JD 1450 6-16" Semi-Mtd. Plow....$2,250
Oliver 565 5-16" Plow....$1,250
JD #1600 12' Chisel w/Walking Tandems....$2,450
JD 4-16 #1450 Semi-Mtd. Plow....$2,450
JD 5x16" 2500 Auto Reset Plow....$3,450
IH #55 7 Tooth Pull Type Chisel....$1,850
White 12' 3 Pt. Chisel....$1,275
JD #2500 6B 16" Auto Reset Plow....$3,650

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JD BW 14' Disc....$1,450

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JD F950 12' Roller Harrow....$3,450
Brillion 10' Roller Harrow....$975

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MISCELLANEOUS:
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NH 352 Grinder-Mixer....$2,450
JD 660 Spreader w/Hyd. Tail Gate....$3,650
Donahue Implement Trailer....$1,750
JD 27 Stalk Shredder....$3,650
Skid Steer Loader Trailer w/Brakes....$1,150
NI #244 Tandem Axle Single Beater Spreader w/End Gate....$2,250

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JD 7000 6 Row No-Till Conservation Planter w/Auger Fill....$6,500
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JD Model B 13x7 Single Disc Drill w/grass, nice....$625
IH #56 4 Row Planter....$1,150

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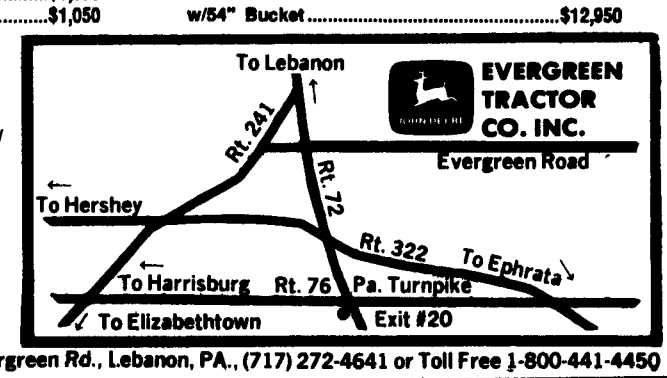
JD 575 Dsl. Skid Steer Loader w/54" Bucket....$12,950



30 Evergreen Rd., Lebanon, PA., (717) 272-4641 or Toll Free 1-800-441-4450

Pennsylvania Agriculture-- The Keystone Of Our Economy

HARRISBURG — The Pennsylvania Farm Show has become the premier showcase for Pennsylvania agriculture by recognizing the outstanding achievements of the industry. It offers a unique location for the new technological advances and the competitive spirit that have helped farm production to increase year after year.

You won't want to miss the 73rd edition which runs January 8-13, 1989 at the Farm Show Complex in Harrisburg.

This year's theme, "Pennsylvania Agriculture -- The Keystone of Our Economy," is a salute to the men and women who have made agriculture our primary industry and Pennsylvania the leading agricultural state of the Northeast. This achievement is a vital keystone for the state's economy because agriculture generates employment for one of every five workers in Pennsylvania and stimulates $35 billion in related economic activity.

Over 500,000 visitors make the annual trek to the nation's largest indoor agricultural exposition. Farm Show patrons represent a wide spectrum of interests and backgrounds, from farm families to city dwellers to international visitors.

About 265 commercial exhibitors will have put the finishing touches on their displays by the time Farm Show Week rolls around. The agricultural exhibits feature the newest innovations in farm equipment, services and products. Informative and thought-provoking displays by government agencies, farm organizations and state universities are also included.

Nearly 8,000 individual entries in livestock, poultry and farm and home competition will be on display throughout the complex. With over 2,000 head of horses, beef cattle, dairy cattle, swine, sheep and dairy goats, the Farm Show ranks as the largest state livestock show in the Northeast.

An additional 2,000 poultry entries vie for their share of the $184,156 in premiums. Farm Show competition includes many other departments like farm crops, prepared foods and quilts. Competition at the Farm Show is limited to Pennsylvania residents.

High quality Pennsylvania farm products are the focus of the Pennsylvania food center at the east end of the main exhibit hall, where eight statewide commodity associations serve up tempting delights for hungry Farm Show visitors.

Pennsylvania processed food firms will promote their products at the Food Marketplace through samples, displays and limited sales. Food and beverages are also available from four church-sponsored booths and at several snack bars around the complex.

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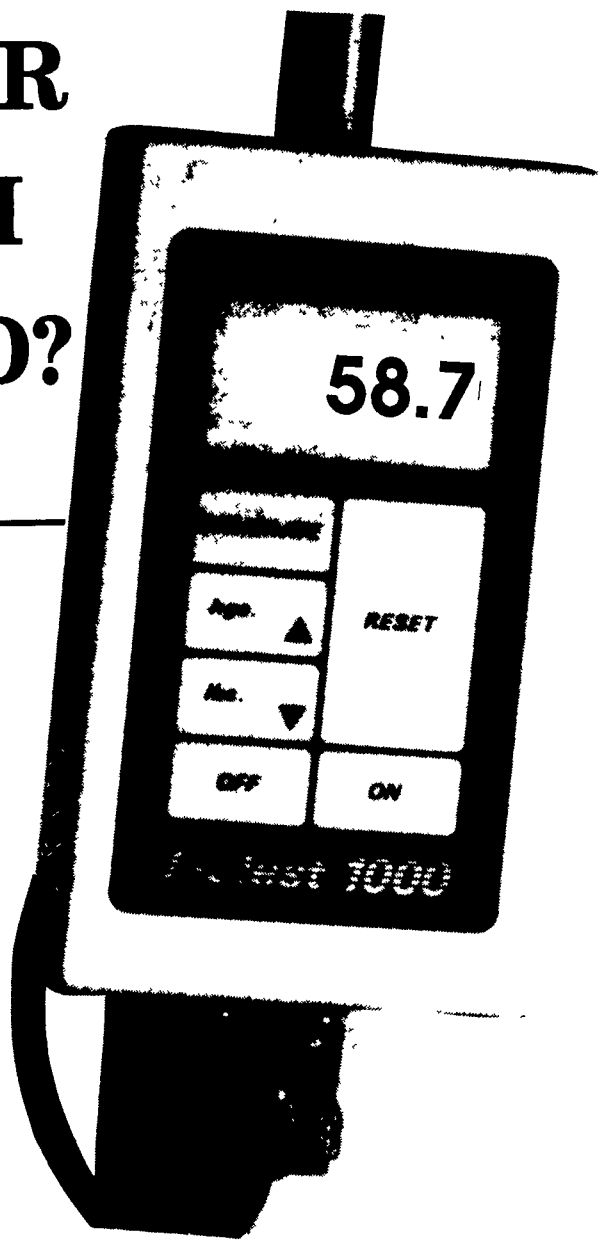

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Snow Date Following Tues. Same Time
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Sale To Start Promptly Every 4 Weeks
Located 4 miles east of former location, 1 mile off 472 midway between Quarryville & Oxford, PA, 1 mile south of Kirkwood, turn west off 472 at Union Church (Street Rd.) 1 mile to crossroad turn left, 2nd farm on right. Hill Road. Watch for sale signs.

20 H F2's due
Jan. 17 to 24
13 H F2's due
Jan. 24 to Feb. 4
15 H 3 way cross due
Jan. 18 to 25

Validated Brucellosis Free Herd #169
Qualified Pseudorabies Free Herd #55
50 to 60 Head

We have White Diamond F2's crossbred to Chester White & some 3-way cross - York, Landrace & Duroc.
Vaccinated for Lepto, Erysipias, Rhinitis, E'Coli, Pasteuerella
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Abe Diffenbach, Auctioneer AU225L
NEXT SALE FRI., FEB. 10, 1:00 P.M.

New Holland Dairy

New Holland Sales Stables
Wednesday, Jan. 4, 1989
Report supplied by auction

REPORTED RECEIPTS OF 109 COWS, 118 HEIFERS, AND 3 BULLS. MARKET STRONGER.

LOAD OF PA FRESH COWS, 750.00-1025.00.

LOAD OF PA FRESH COWS, 770.00-1125.00.

LOAD OF NY FRESH COWS, 725.00-1525.00.

LOAD OF PA FRESH COWS, 750.00-1350.00.

HERD OF 60 HEAD, PUREBRED, ALL STAGE COWS, 630.00-2250.00.

OPEN HEIFERS 320.00-660.00.

LOCALLY CONSIGNED COWS: 400.00-960.00.

SPRINGING HEIFERS: 650.00-930.00.

OPEN HEIFERS: 320.00-660.00.
BULLS: 590.00-1050.00.

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Peoria, IL
January 3, 1989

SHEEP: 100 TRADING MODERATE.

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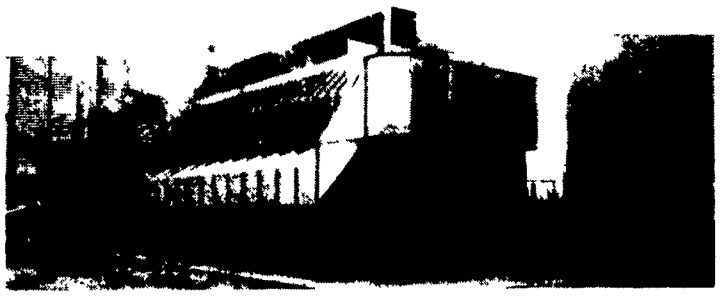

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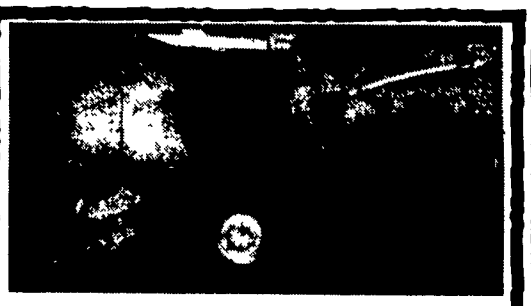

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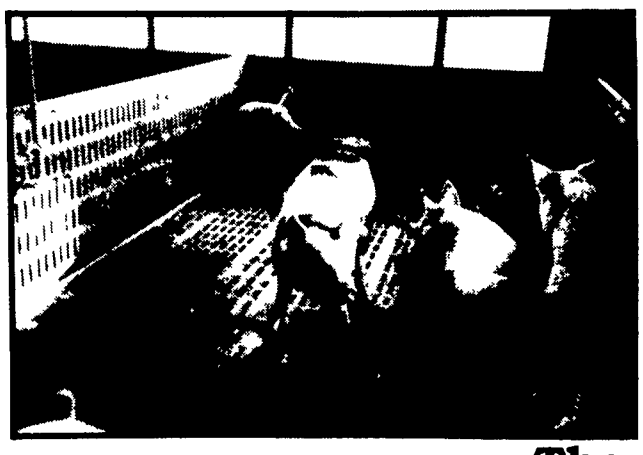

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Waffle Finishing Gang Slats
7/8" Slot or 1"

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2' & 4' wide x	3' long
2' & 4' wide x	4' long
2' & 4' wide x	5' long
2' & 4' wide x	6' long
2' & 4' wide x	7' long
2' & 4' wide x	8' long
2' & 4' wide x	9' long
2' & 4' wide x	10' long
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4' wide x	12' long

- High Strength Reinforced Steam cured concrete for long life
- Large percentage of opening keeps slats clean and dry.
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48" wide x 42" high x 1½ " thick
48" wide x 36" high x 1½ " thick
48" wide x 30" high x 1½ " thick

- Easily installed in new or existing barn, each piece can be carried into barn.
- Panels are set into P.V.C. channel which is anchored to the floor or slats. This material is provided in all areas where panels contact the floor.
- Openings in panels allow for excellent ventilation.
- 1½ " thick panels are available in completely solid or slotted design or ½ & ½ .
- Ideal for replacing existing steel penning
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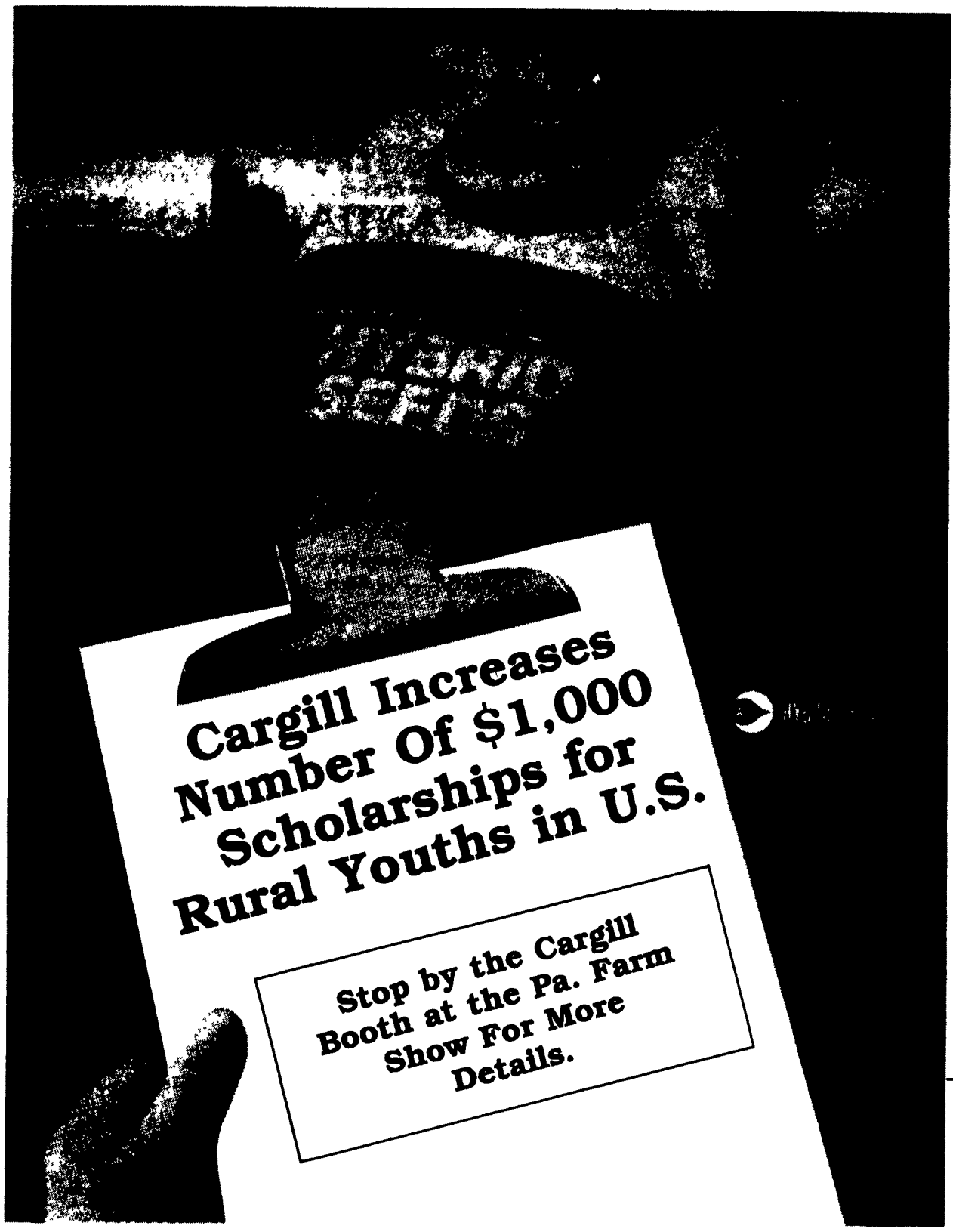
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1. Quantity Discount Plan

Total Dollar Value all Seeds	% Savings
$ 0- 900	0%
$ 901-2000	2%
$2001-3000	3%
$3001-5000	4%
$5000 plus	5%

All spring planted crops including Corn, Alfalfa, Grass Seed, Sunflowers, Sorghums can be totalled by June 15.

2. Early Payment Discounts

If Payment Postmarked	Early Pay
Jan. 16	7%
March 15	6%
April 14	2%

3. PIK Certificate Redemption

Cargill, Inc. will maintain an aggressive daily cash bid for generic PIK certificates. This bid price is available through your Cargill Hybrid Seeds dealer. Farmer customers may apply PIK certificates to Cargill Hybrid Seed purchases and realize additional savings.

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How Leading Alfalfa Varieties Compare

Brand	Variety	Phyto. Root Rot	Bact. Wilt	Vert. Wilt	Anthracnose	Fusar. Wilt	Pea Aphid	Spotted Alfalfa Aphid	% Yield Wins*
		Pest Resistance Ratings							
CARGILL	**CROWN**	**R**	**R**	**R**	**HR**	**R**	**R**	**MR**	**68%**
Jacques	Elevation	MR	R	MR	-	R	R	-	58%
Funks	G-2852	R	HR	R	HR	R	R	MR	58%
CARGILL	**ENDURE**	**R**	**R**	**R**	**MR**	**R**	**-**	**LR**	**55%**
Pioneer	526	LR	HR	-	-	MR	R	HR	53%
Dairyland	Magnum+	R	R	LR	MR	R	-	LR	53%
Pioneer	532	LR	HR	-	LR	R	R	HR	52%
Dekalb	Advantage	R	R	-	MR	R	-	LR	48%
Dekalb	120	R	HR	-	LR	R	R	-	48%
Dekalb	135	MR	R	MR	MR	R	R	MR	47%
CARGILL	**CHALLENGER**	**R**	**R**	**-**	**R**	**MR**	**-**	**-**	**43%**
Beachly Hardy	WL 316	MR	MR	R	HR	R	R	R	42%
Pioneer	5432	MR	HR	R	-	HR	R	HR	42%
Funks	G-2815	MR	R	-	R	HR	R	LR	41%
Public	Oneida VR	MR	R	HR	MR	HR	-	-	40%
NK	Drummor	R	R	-	MR	MR	-	HR	39%
NK	Trumpetor	LR	MR	MR	R	HR	MR	LR	37%
Public	Riley	-	HR	LR	MR	-	HR	HR	37%
Public	Wrangler	HR	R	LR	LR	R	HR	HR	36%
NK	Commandor	R	R	MR	HR	R	-	LR	34%
Asgrow	Eagle	MR	HR	MR	R	R	R	R	33%
Public	Iroquois	-	HR	-	-	-	-	-	32%
Public	Saranac AR	-	MR	-	HR	R	-	-	31%
Public	Vernal	-	R	-	-	MR	-	-	23%
Public	Baker	-	HR	-	LR	R	HR	HR	21%

*Includes yield data from all published state university trials (1982-87) of widely-planted varieties tested for at least 50 location years.

Resistance class	% resistant plants
S (Susceptible)	0-5
LR (Low Resistance)	6-14
MR (Moderate Resistance)	15-30
R (Resistant)	31-50
HR (High Resistance)	50

Pest resistance ratings are published by the Certified Alfalfa Seed Council. The information was obtained and characterized by the National Alfalfa Review Board. All varieties not shown. Blank spaces indicate variety is susceptible or has not been adequately tested.

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Competitors Exhibit Pride

Steve Kwisnet of Clarksburg got some help holding their premier breeder and exhibitor awards from Jennifer Mawhinney, PA's Lamb and Wool Queen of 1988 at last year's farm show. It was Steve's son, Gary who got the Kwisnet into the Southdown sheep show ring. Since 1975 the Kwisnets have been farm show competitiors.

(Continued from Page A21)

fair in America's history. This spark of enthusiasm ignited a wildfire of fairs, but the first Pennsylvania State Farm Show was not held until 1917.

It wasn't until 1916 that livestock and horticulture were made a part of the agricultural exposition. But education was the goal common to all the fairs from 1686 to 1989.

The Pennsylvania State Farm Show of 1917 was called the Pennsylvania Corn Fruit Vegetable, Dairy Products and Wool Show. Only 5,000 visitors passed through the gates of this exposition held in the Emerson Brantingham Building in Harrisburg. This first show featured only $735 in premiums compared to the 1989 farm show which offers nearly $184,000 in premiums and is predicted to draw 250,000 visitors.

It was Franklin's belief that a strong agricultural industry leads to a strong American economy. He worked hard to instill that belief in all Americans. The sense of competition, enthusiasm and pride surrounding the first fairs created an atmosphere of excitement which is still characteristic of the Annual Pennsylvania State Farm Show more than 200 years later.

It's easily understood why nearly a quarter of a million people will pass through the gates to view some 14 acres of exhibits and sample the foods offered in a carnival-like atmosphere. And visitors will pack the arenas and relax as they watch the best of the breeds Pennsylvania has to offer in dairy cows, sheep, hogs, horses, goats and beef.

But for those hundreds of exhibitors behind the scenes of the shows there is little time to relax. The farm show means long hours of hard work and little time to stroll among the exhibits and sample the food for those people who clean, brush, clip and snip and primp their best animals for the show of the year.

But in spite of the work, exhibiting animals at the farm show has become as much of a family tradition as gathering together for the Thanksgiving Day meal. For many exhibitors it is a sort of Thanksgiving. It is a celebration of a way of life.

The Gift, The Beginning

For Gary Kwisnet of Clarksburg showing Southdown sheep has become a family tradition and a family hobby.

Gary and his parents, Steve and Ruby Kwisnet, raised beef cattle on their Indiana County farm. That is until Gary convinced his parents to buy a few sheep. Those few sheep have become 150 head of mostly breeding stock winning ribbons in Southdown competitions in the fair circuit nationwide.

"I always wanted sheep ever since I was very little. And we didn't buy our first sheep someone gave it to me when I was fourteen," said Gary. "Now we have all sheep and no cattle."

The Kwisnets have been showing at the Pennsylvania Farm Show since 1975 and on the state and national level for the past five years. One of the ewes they'll be showing this year was the champion ewe at the Illinois state fair and came in third at the North American International Livestock Exposition held in St. Louis.

The grand champion of the 1988 Pennsylvania Farm Show as a ewe lamb was named the grand champion at the Big E held in West Springfield Massachusetts this year.

Preparing sheep for showing

(Turn to Page A23)

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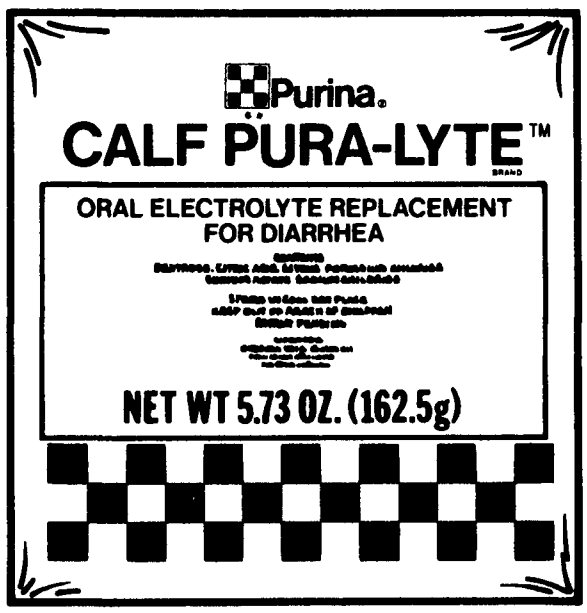

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Farm Calendar

(Continued from Page A 10)

Sheraton Harrisburg East.
Southwestern Pa. Dairy Replacement Feeding School, Park United Presbyterian Church Annex, Zelienople, (intersection of routes 19 and 68) 9:30 a.m. to 3:00 p.m. Continues Jan. 17 and 24.

Wednesday, January 11
Southwestern Pa. Dairy Replacement Feeding School, Country Cove Steakhouse, W. Brownsville, 9:30 a.mm. to 3:00 p.m. Continues Jan. 18 and 25.

Thursday, January 12
Southwestern Pa. Dairy Replacement Feeding School, Windmill Farms Restaurant, Blairsville, 9:30 a.m. to 3:00 p.m. Continues Jan. 19 and 26.
SOILS PSU Course, Montgomery County 4-H Center, Creamery, 7:30 to 9:30 p.m.
Westmoreland/Indiana Dairy Replacement Nutrition School, Continues Jan. 19 and 26.
Delaware Vegetable Growers Annual Meeting, Sheraton Inn, Dover.

Saturday, January 14
Franklin Co. Annual Holstein Meeting, Savoy Restaurant, Waynesboro, 7:15 p.m..
New Jersey Holstein Association Annual Meeting, Watchung View Inn, Bedminster, NJ.
Junior Holstein Convention, Sheraton Inn, Batavia, NY.

Monday, January 16
PSU Conference for Employers of Farm Labor, Thompson's Dairy Bar, Clarks Summit.
New York Holstein Convention, Sheraton Inn, Batavia, N.Y.; through Jan. 18.

Tuesday, January 17
Southwestern Pa. Dairy Replacement Feeding School, Park United Presbyterian Church Annex, Zelienople, 9:30 a.m. to 3:00 p.m. Continues Jan. 24.
Basic Dairy Nutrition 3-Day

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York Farm Credit Merger

(Continued from Page A1)

Credit Act of 1987. The merger was overwhelmingly approved by approximately 1525 stockholder/borrowers of the Associations in November 1988 and most recently by the Farm Credit Systems regulator. Loan volume for the organization will be $105 million.

Mr. Rush also announced that as a result of the first York Farm Credit, ACA Board of Directors meeting held on January 3, 1989, Mr. Ralph H. McGregor of Kralltown, York County was elected Chairman of the Board. Mr. Robert L. Smyser, York, York County was elected Vice Chairman and Lester E. Martin, Chambersburg, Franklin County was elected to the Executive Committee with Smyser and McGregor. Other Board Members are Janet T. Knouse, Arendtsville, Adams County; J. Wilbur Burkholder, Chambersburg, Franklin County; Leroy R. Bupp, Seven Valleys, York County; Lawrence R. Cauffman, Blain, Perry County; Norman G. Blocher, Aspers, Adams County; and Marlin E. Miller, Carlisle, Cumberland County.

"The territory to be served by York Farm Credit is a key agricultural area with a strong economy," stated Ralph E. McGregor. "These factors along with the benefits to be gained from the merger, namely a stronger capital base, a more diversified loan portfolio and the elimination of corporate duplications will offer the new organization the opportunity to be one of the most successful associations in the Baltimore Farm Credit District."

"The merger will not effect personnel at York Farm Credit, or the delivery of basic loan and financial services," noted Rush. "However, the Agricultural Credit Act will move the responsibility for making long term real estate loans, previously Federal Land Bank loans, from the Baltimore Farm Credit bank to the new organization, which will improve our ability to tailor, price and service these products on a local basis."

York Farm Credit, ACA is affiliated with the Farm Credit Bank of Baltimore, part of the nationwide Farm Credit System, the nation's leading agricultural lending institution. The Bank provides funds and services to sixteen other ACAs (Agricultural Credit Associations) in the states of Pennsylvania, Maryland, Delaware, Virginia, West Virginia, and the Commonwealth of Puerto Rico.

YORK FARM CREDIT, ACA BOARD OF DIRECTORS - SEATED (L TO R) Robert L. Smyser, Ralph E. McGregor. STANDING (L TO R) J. Wilbur Burkholder, Leroy R. Bupp, Lester E. Martin, Norman G. Blocher, Lawrence Cauffman, Marlin E. Miller. Missing from photo - Janet T. Knouse.

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FARM FORUM

(Continued from Page A10)

As aforesaid this last round of trouble starting early last spring and getting worse as time went on has broken down my 90-year-old wife to the point I don't know how much longer I can take care of her. As for myself I know it has ruined the rest of my days.

I am all for education, something I have been denied due to family circumstances, but I have told our State Representative Dennis Leh (R130) if our forefathers did not realize that our school directors had too much authority the handwriting was on the wall. Now, we should see to it that something is put on the books to limit this power.

I feel the taxpayer is overburdened and our children are cheated for not getting what they need to make a living after they have a diploma in hand.

Because, I read how much our employers spend to further educate and train these young people before they can use them. Thanks again!

Raymond C. Snyder
Blandon

Editor:

I read your article in the December 24 issue about condemnation of land by public groups being a virus. I agree with you, but I would include private taking also. My brother and I had farm land taken from us in 1987 for a private right-away to get to 2.4 acres of land that was severed from a neighbor's farm in 1958

(Turn to Page A21)

FARM FORUM: OUR READERS WRITE

(Continued from Page A20)

when routes 11 & 15 were constructed around Duncannon. This neighbor signed an agreement with the Department of Transportation which said this land was severed and worthless, and they were paid $550 in 1962. When land values became more valuable, they petitioned the Court of Common Pleas in Perry County for a 20' right-away through our property. The court granted it. At the time our township was in the process of establishing an ag security area of 1790 acres. We were told this act 43 does not include private taking.

I think the Dept. of Transportation should have the $550 returned by my neighbors plus interest and costs. Sometimes I think these above monies should be returned to my brother and I.

I wanted to share our experience with you and ask if you had any ideas for us. I also think this was very unfair-- like things you would hear about in the USSR.

Garry W. Raub
Duncannon

Editor:

Concerning your editorial in the Dec. 17th issue:

I agree too, that the lottery has no place in the Penna. Farm Show Complex, and furthermore our nation doesn't need it either. We have taken our eyes off God. St. Luke 12:15 God's word says, "Take heed, and, beware of covetousness: for a man's life consisteth not in the abundance of the things which he possesseth."

God's judgement is real and will have to answer for the things in which we do.

This is where I stand on this issue.

A concerned farmer,
John Welsh Jr.
Martinsburg, W.Va.

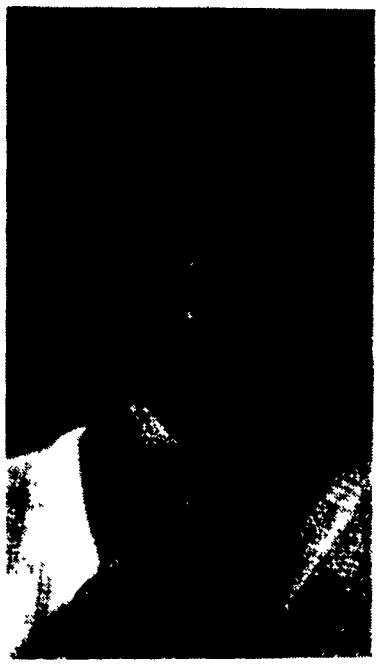
Editor:

The front page story of your December 24th edition, that concerns land preservation, has raised some interesting questions (or riddles?) that I would like to see answered.

The use of the term "virus" to describe the power of eminent domain is somewhat mild. Police state would be a more suitable definition. Have we as citizens lost our right of redress before these government bodies? I will always remember what a college professor said to me concerning eminent domain. He said, in so many words, that the affected parties were allowed to bring their grievances before the courts, but in the end they were awarded the original offers for their properties anyway. Could this be just a game that is played in order to give lawyers more work?

A property that is adjoining ours has recently come on the market. It is about eight acres in size and formerly was a hobby farm. This property also adjoins that of the local school district, and could be subdivided. My query? If the school district has plans for expansion, would they

(Turn to Page A23)



Beverly Snyder

Snyder Named

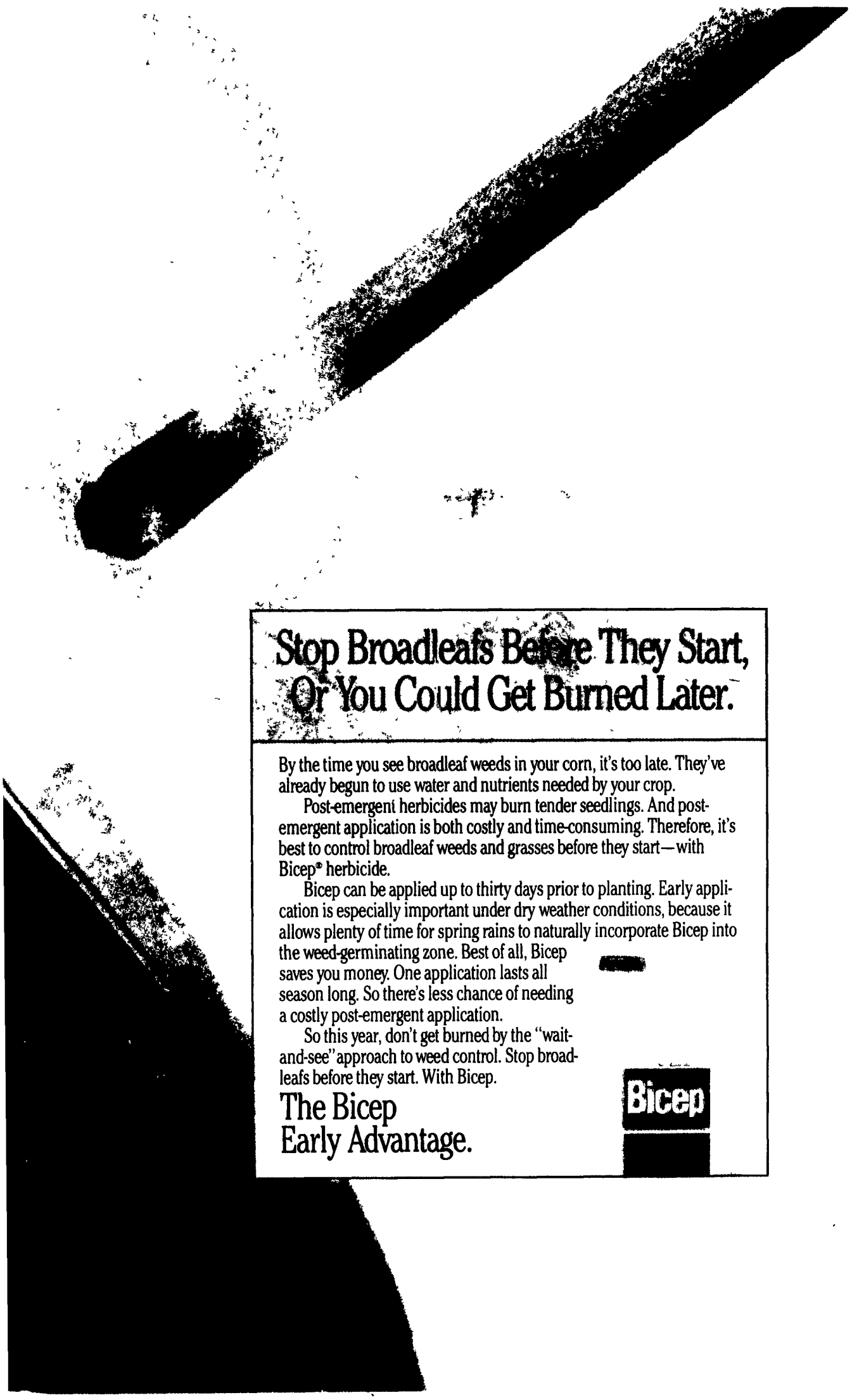
(Continued from Page A1)

Their primary function is the production of the Keystone International Livestock Exposition (KILE) held each October in Harrisburg.

Beverly comes to the association with a strong agricultural background. Raised on a dairy farm near Emlenton, Pa. (northwest Pa.) she was involved as a youth, and still is involved in the 4-H program, Grange, Pennsylvania Farm Show, and various county fairs, including the Venango County Fair, her home fair. For the past ten years she has been very involved with the Pa. State Association of County Fairs, and for the past two years has served as Secretary-Treasurer of the Association. A graduate of Indiana University of Pennsylvania, Beverly formerly taught school, worked in agricultural extension, and for the past five years has managed her own firm, Snyder's Creative Service, which specializes in association and organizational management as well as public relations work. Very active in her community and county, Beverly serves on various state boards, including the Pennsylvania Travel Council and Polk Center. She has an established working relationship with primary Harrisburg offices through her work in various organizations.

The office for the association will be in Emlenton. Plans are being formulated for five areas of development for the Keystone Show. They are: 1) increase vendor participation, 2) increase advertising in the KILE catalogue, 3) institute class sponsors, 4) increase consumer participation at the show, and 5) increase participation at the annual membership meeting. In addition to the goals established for the KILE show, a bi-monthly newsletter has been established, a membership campaign will be initiated, and programs will be started to link this association with other agricultural and allied industry groups.

Annual membership in PLA is structured on the following basis. Individual and family farms: $15.00; Associations and Agribusiness: $30.00; Sustaining members: $100.00 and Supporting, which includes eight annual meeting tickets, and a half page ad in the KILE catalog: $500.00. For a membership form, contact Beverly at Box 158, Emlenton, Pa. 16373.



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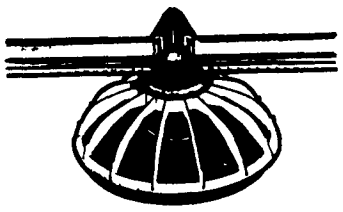

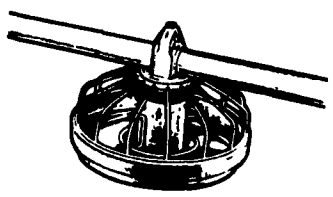

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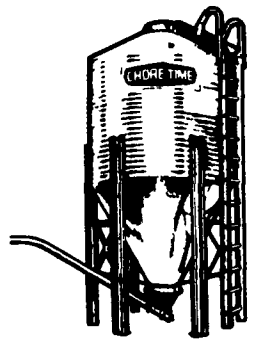

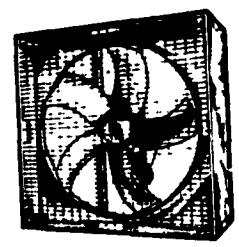

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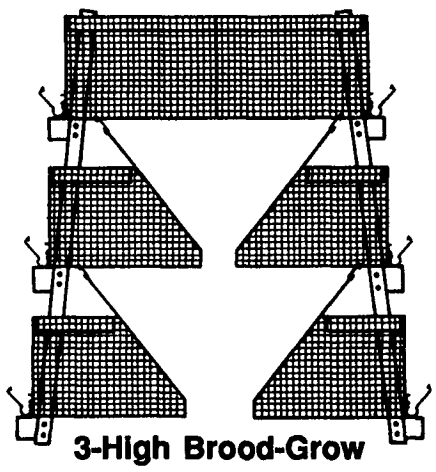

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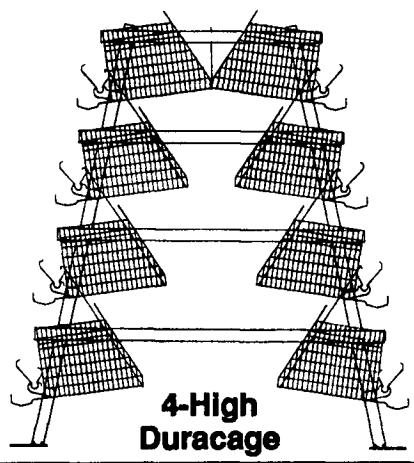

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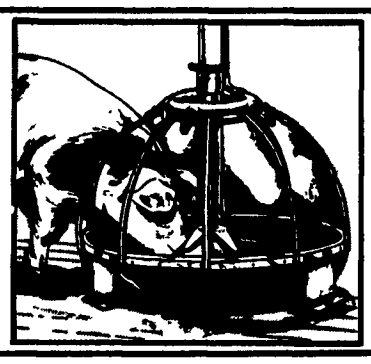

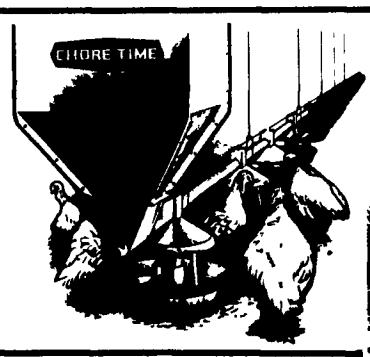

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FARM FORUM OUR READERS WRITE

(Continued from Page A21)

condemn this land as opposed to ours? If this property is purchased by a developer and subdivided, are his property rights different than ours?

Now many would say that this property, if subdivided, will bring added tax revenues to not only the school district, but to the local municipality. I think that anyone who follows the evolution of residential development will find that the supposed benefits of additional tax revenues are merely municipal propaganda. The costs of goods and services do increase, but with heavy residential development, these increases go beyond what a government body can legally levy on real estate. Sure that $300,000 home next door pays a lot in taxes. But are these taxes enough for the services the property requires?

A case in point. Our family has lived on this farm for 142 years. We live on a secondary road that will become impassable during heavy snows. If the road should drift shut now, great hue and cry will arise from the newer residents because they can't get out. If the township cannot get to this road, I will keep it open with my equipment at no financial compensation to me. When milk was shipped by cans, we sometimes hauled our milk to the nearest open road. We did not complain to the township, we hauled that milk because we had to.

I was elated to see the recent legislation on land preservation was passed. But, is the framework of this law strong enough to bear the assaults of police state municipalities and school districts? Or am I being more suspicious of these laws than I should be? Does anyone care to answer?

William G. Dawe
Lehman

Editor:

I am a subscriber of your newspaper and I am interested in farmland and what should and should not be applied to the land. I am, also, a charter member of the Patuxent River Civic Association. I live beside the Patuxent River on a farm of 69 acres and farm there.

I have seen reported in your paper several times articles concerning this subject, Sludge. Could I make the request for such items to be sent to me for use in my fight to protect my land and other lands along the Patuxent River. I have your latest written by Dr. George F.W. Haenlein and enjoyed it very much.

The City of Bowie, Maryland has purchased the land next to mine and 2 other pieces within 5 miles of my land. They are trying to pludge this land and I and our association are trying to keep them from sludging it. You see, most of the acquired lands lie along the river and within the tidewaters and is in the Chesapeake Bay Clean-up area.

I think if I had your articles on Sludge I might have more to fight this battle between us and the City of Bowie.

Thanking you for all your help!

Mary Bottner
Mitchellville, MD

Editor:

Our issue of LANCASTER FARMING arrived on Saturday and I was very pleased and flattered to see that you had written a front page article about the West Marlborough Township Zoning Ordinance.

We realize that the approach we have taken to protect the agricultural land in our township is unique. We are, however, committed to the preservation of our rural way of life.

Perhaps the favorable light in which you have portrayed our zoning efforts will encourage others to consider or adopt these same methods to save their farm communities.

Thank you for writing about us and for your continuing personal support.

Charles C. Brosius
Chairman, West
Marlborough Township
Supervisors
West Grove

Editor:

In your December 17 editorial you refer to a writer expressing opposition to using the Farm Show as a platform for a lottery event. I strongly agree with the writer. The farming community is a support organization that is too often taken for granted. The lottery is the wrong kind of "glitz" to have at the Farm Show!

Edward Parent
Hamburg

Competitors Exhibit

(Continued from Page A18)

and showing sheep takes a lot of time and as the general sales manager for a large car dealership in Clarksburg, Gary doesn't have much free time to give.

"It is a lot of work. It really is. It takes a lot of time, but we take pride in it and enjoy doing it. And it's something we do together and we enjoy that. But it's a hobby that turned into a business," explained Gary.

Showing sheep has caught on. Not only do Steve and Ruby enjoy showing, but Gary's brothers and sisters have joined the show, too.

"Now, it's not just my Dad and I," said Gary. "My neices and nephews show in the junior show,too. It really is a big family project. It gives us time that we can all spend together that we might not be able to spend together if we weren't showing sheep. I guess that's why we enjoy it so much because we can all be together."

Educating The Buyers

For other exhibitors, the hard work and long hours pays off in different ways. Rose and Harold Schneider of Rolling Ridge Farm in Karns City, have been showing Simmental beef cattle for 10 years.

Originally the Schneiders raised Hereford-Angus crosses, but switched to the Simmentals in 1972. Rose does all the breeding and feels her selections are starting to payoff. A collection of grand champion plaques attests to that and all of them from the Pennsylvania State Farm Show, the only show for them.

When asked why do they show, Rose paused and finally said, "I don't know. I can't answer that. It does take time and it is a lot of work. But you like to go and see what everyone else is doing and you're showing what you have to local people. You are showing your best animals to potential coustomers."

But it's more than merely advertising, Rose added. It is mostly educating the buyers.

The Simmental breed is relatively new to this country. They first came to the United States in 1969 and now it's the third largest breed in the America, according to Rose. It took three years for the Schneiders to catch on to these lean, large fast growing imports from Switzerland.

Internationally the Simmental comes in second only to Brahma.

Rolling Ridge Farm will exhibit 10 of the best of the Schnieder's farm.

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John and Cindy Batchhelder of Oxford, in Chester County show strictly for the advertising benefits.

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(Turn to Page A28)

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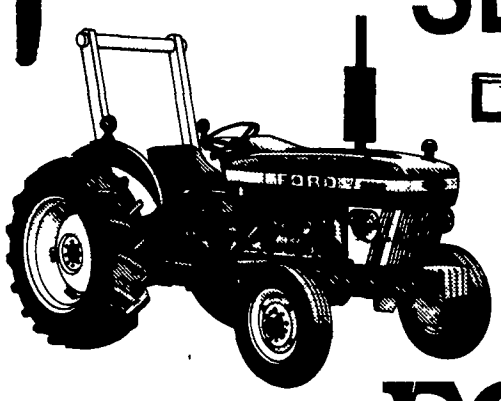

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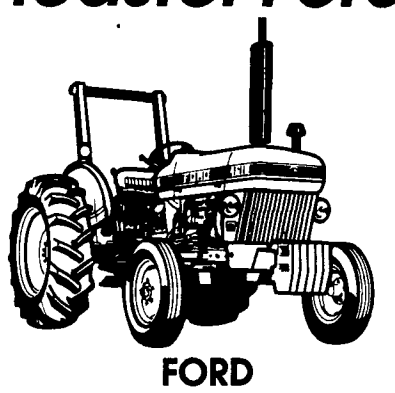

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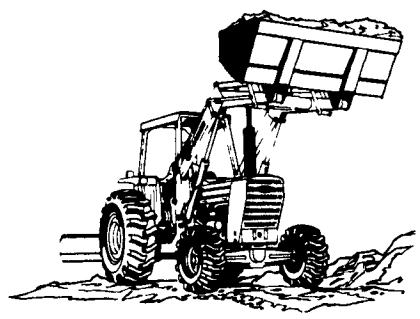

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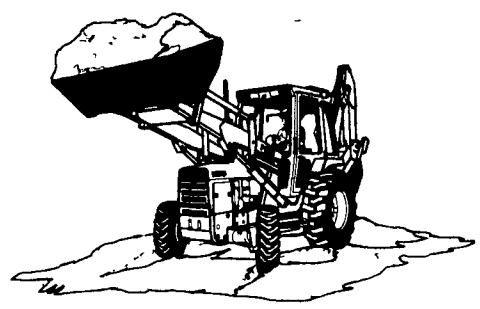

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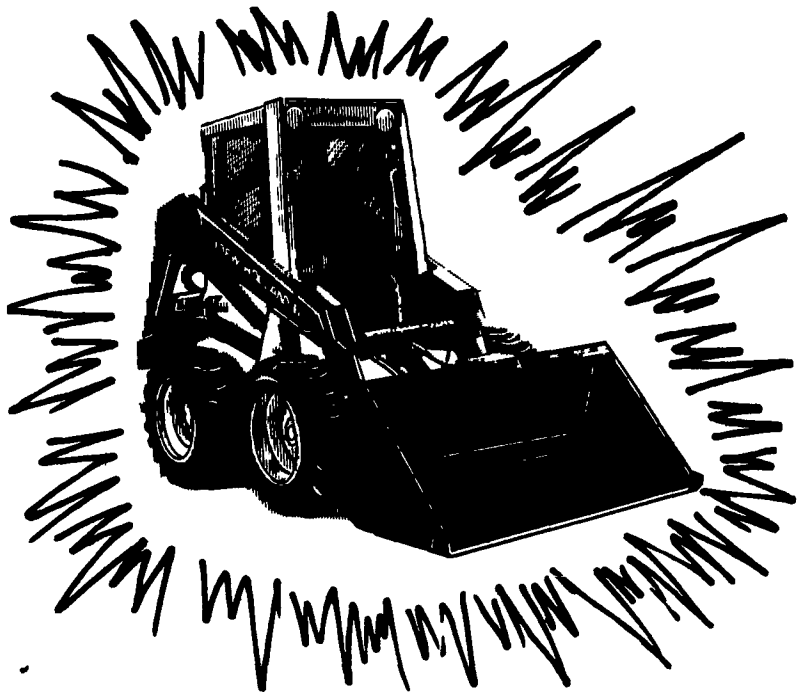

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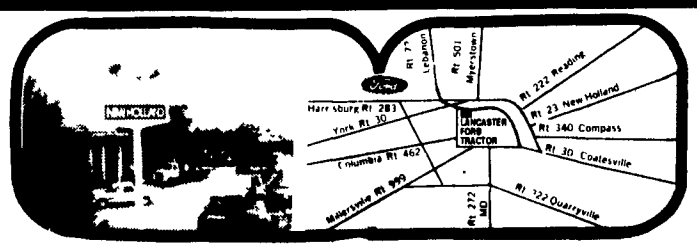

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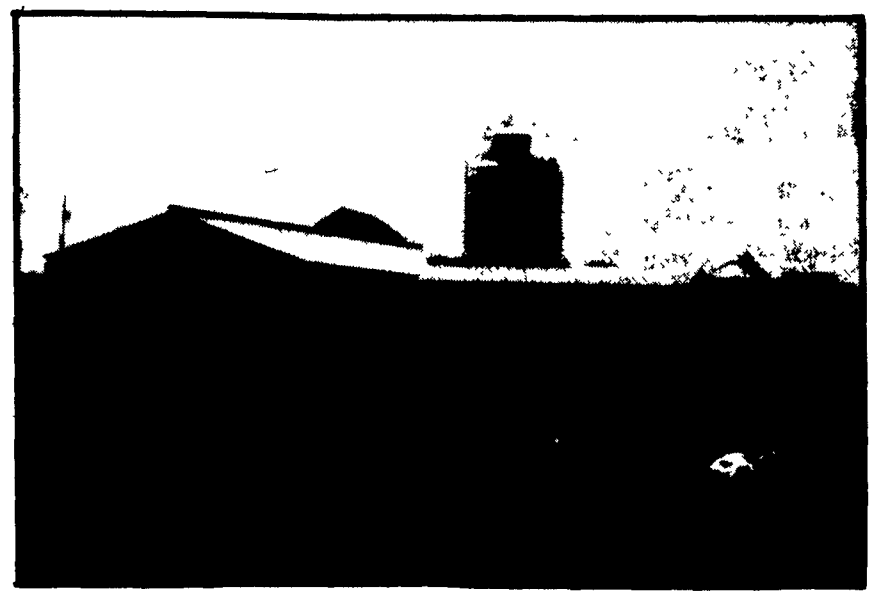

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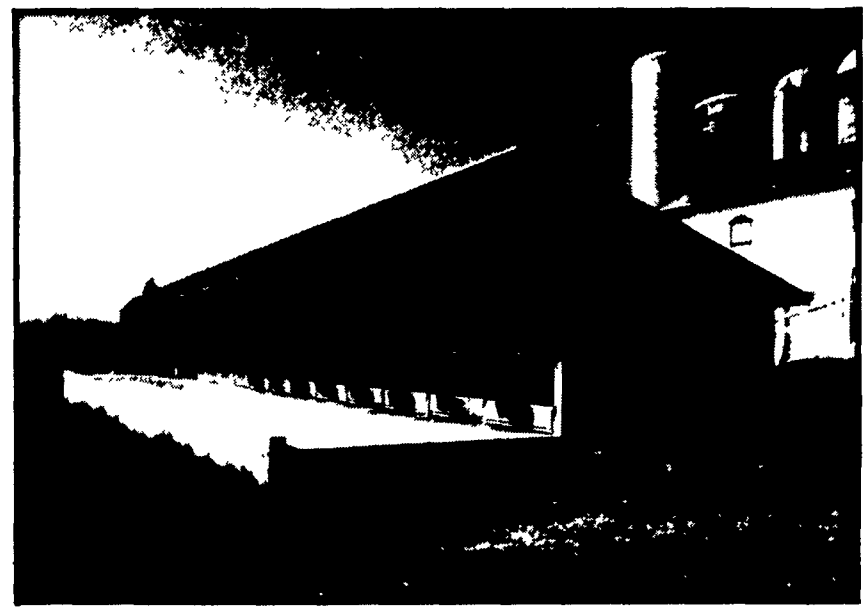

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Rohrer, Hollinger Repeat

(Continued from Page A1)

daughter of Henry and Marsha Barley of Lancaster, exhibited a hand of middle-third Maryland type that was judged champion among the Maryland-type tobacco.

Rohrer's binder-class entry grabbed the judges' eyes immediately. "The grand champion hand really stood out," said Jay Frey, vice president of Lancaster Leaf Tobacco Co. "The texture was very smooth and silky."

Geoffrey Ranck, president of Domestic Tobacco Co., added "The tobacco here was beautiful. They (farmers) try to make it more difficult to judge each year.

Rohrer used Nissley tobacco seed to plant nine acres. "This was one of the better crops that I've had in several years. We got rain at the right time," he said. "We were setting dry and the roots were going for moisture when the rains came, and the tobacco grew beautifully. It cured beautifully too. It cured with a nice color, the color the judges look for."

This year's win makes the seventh championship for Rohrer in 12 years. Last year's winning entries went on to sweep the Pennsylvania-type division at Farm Show.

Hollinger, the son of Robert and Joyce Hollinger, submitted several hands of tobacco from a 1-acre plot that was a project for the Garden Spot FFA chapter at Lampeter-Strasburg High School. It was his wrapper entry that impressed the judges. This is Hollinger's third year of competition.

The following is a partial list of the placings.

OPEN CLASSES

Pennsylvania Type 41

Wrapper

1. Don Welk Jr., Strasburg; 2. Kevin Bauman, Millersville; 3. Dan Welk, Strasburg.

Filler

1. Richard Falk, Millersville; 2. Ronald Ulnch, Lititz; 3. John White, Lancaster.

Binder

1. Donald Rohrer, Lancaster; 2. Henry Barley, Lancaster; 3. Kevin Bauman, Lancaster.

Champion

Donald Rohrer

Maryland Type

Bottoms

1. Gary D. Neff, Millersville; 2. Neff Brothers, Millersville; 3. Keith Frey, Washington Boro.

Middles

1. Gary Neff, Millersville; 2. Neff Brother, Millersville; 3. Henry Barley, Lancaster.

Tops

1. Keith Frey, Washington Boro; 2. Bob Burkholder, Washington Boro; 3. Raymond Burkholder, Washington Boro.

Champion

Keith Frey

VO—AG CLASSES

Pennsylvania Type 41

Wrapper

1. Jeff Hollinger, Willow Street; 2. Brian Eshbach, Millersville; 3. Tobin Shank, Pequea

Filler

1. Brian Eshbach, Millersville; 2. Mike Mellott, Peach Bottom; 3. Larry Eshbach, Millersville.

Champion

Jeff Hollinger

Maryland Type

Bottom

2. Jeff Hollinger.

Middles

1. Becky Barley, Lancaster; 2. Denny Mellott, Peach Bottom; 3. Kevin Witmer, Washington Boro.

Tops

1. Mike Mellott, Peach Bottom; 2. Kevin Witmer, Washington Boro; 3. Les Ebersole, Manheim.

Champion

Becky Barley

Jeff Hollinger of Willow Street displays his winning hand of Pennsylvania-type wrapper tobacco. Hollinger had the champion hand of Pennsylvania-type tobacco at last year's Lancaster County Tobacco Show as well.

Older Pennsylvanians To Enjoy Monday Events

HARRISBURG — Older Pennsylvanians can enjoy special events Monday, Jan. 9, at the 73rd annual Pennsylvania Farm Show in Harrisburg. The day will be dedicated to them.

"Older Pennsylvanians Day offers the Commonwealth's senior citizens a special opportunity to visit the showcase of Pennsylvania agriculture," said Secretary of Agriculture Boyd Wolff.

A reception area will be located in the west lobby of the Farm Show Complex for older visitors to enjoy refreshments and get acquainted.

Informational brochures on subjects such as generic drugs, benefits and rights for older citizens, services of the Area Agen-

(Turn to Page A36)

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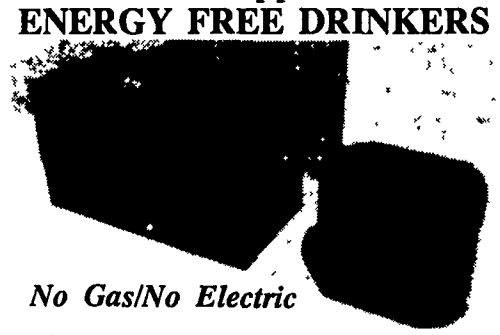

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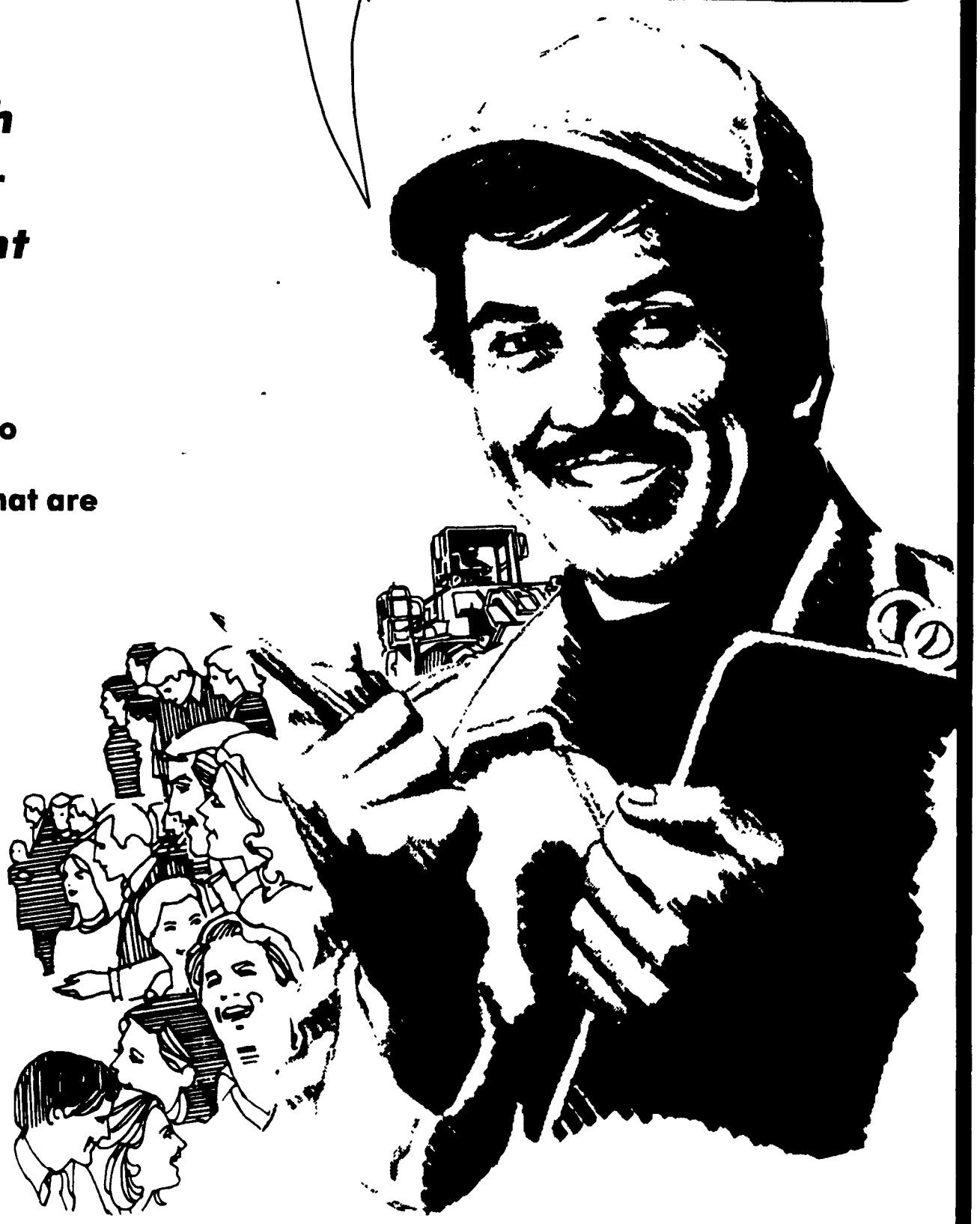

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Competitors Exhibit

(Continued from Page A23)

won the grand championshipp in 1988 farm show. This year John and Cindy will be showing four animals.

My-T-Fine MMC Grace towered over her competition with the best frame and balance of any cow in the show according to show judge, John Marchezak. Grace was purchased from the Waverly Invitational Jersey Sale in 1985.

Both John and Cindy grew up with the Jersey breed. Cindy was formerly a Waltemyer from the Wallabe farm of Collegeville in Montgomery County. John is from Bourbon County Kentucky known for its thouroughbred horses.

Now the John and Cindy, married for less than two years lease what was formerlly the home of Glee-Hi Holsteins owned by Glenn Greese. The Batchelders milk 70 Holsteins and 20 Jerseys.

What's a couple like Cindy and John, with deep roots inthe Jersey breed doing with a predominantly holstein Herd.

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"There was a Holstein herd tha had to go. It was a real good herd at a real cheap price," said Cindy.

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Rose and Harold Schneider are into their fifth generation of Simmentals at their Rolling Ridge Farm in Butler County. Last year they added another grand champion plaque to their wall and picked up their premier breeder and exhibitor award. Pictured: (from left) Rose and Harold Schneider.

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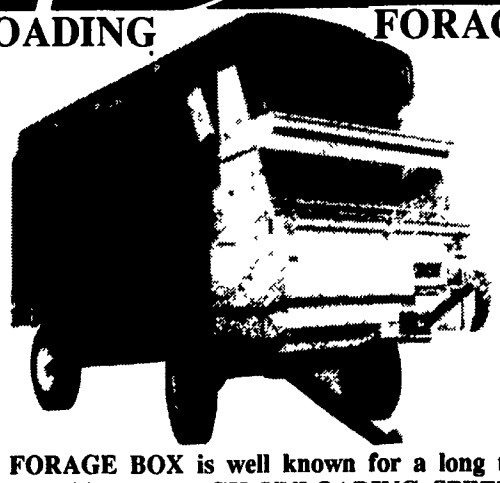

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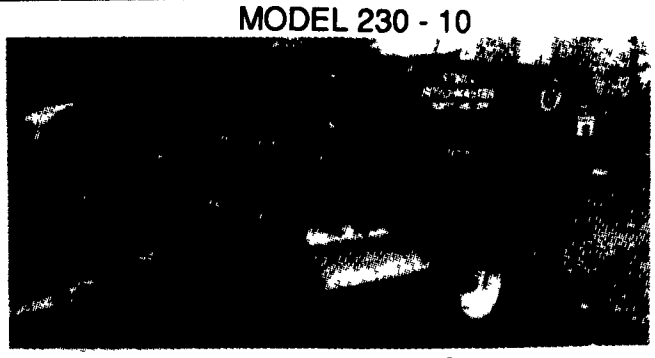

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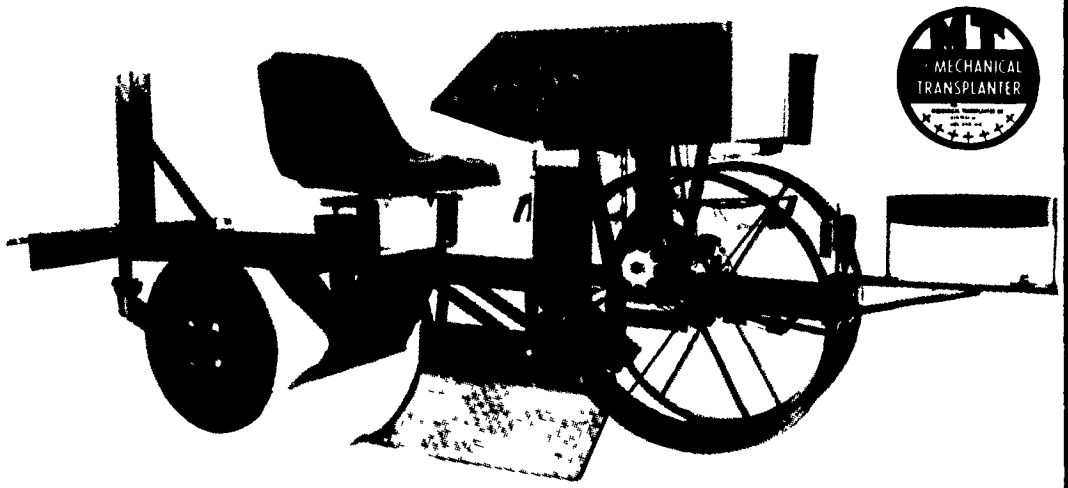

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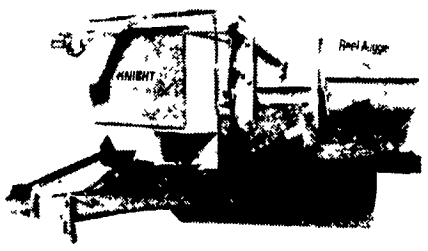

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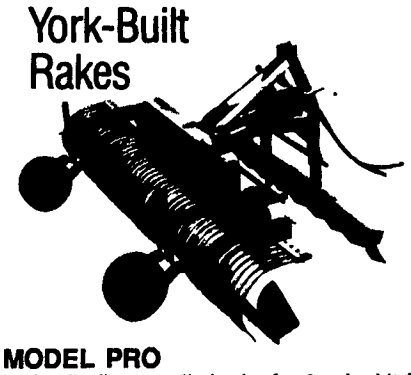

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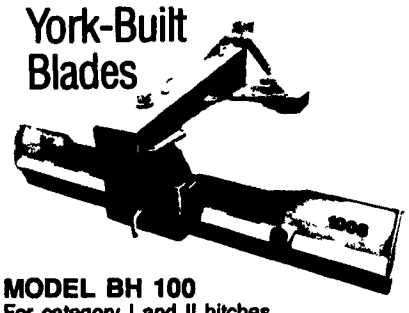

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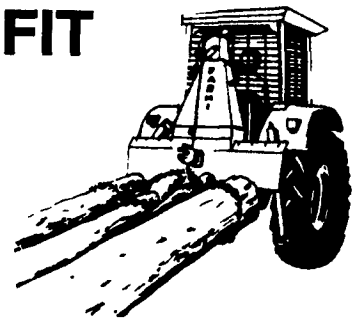

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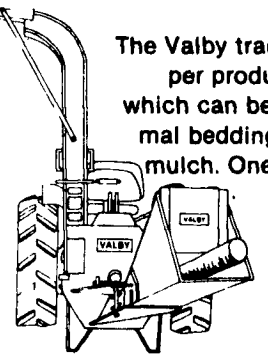

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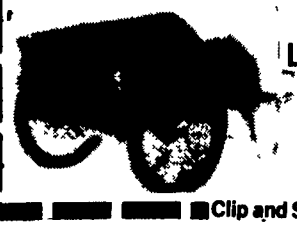

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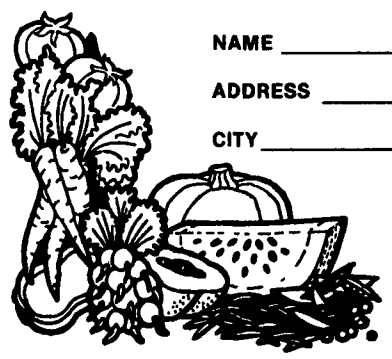

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The Hard-Working, Hard-Pulling Tractor Rear

MULTI-ANGLE M/B

12.4-28 4 Ply **$157.34**	• Excellent drawbar pull with long-bar, short-bar lugs for improved traction
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MULTI-ANGLE RADIAL M/B REARS

- Revolutionary 3-lug per pitch design improves traction and ride
- Computer designed "natural" shape casing improves tire body life
- Radial construction provides better traction, lower fuel and overall costs

18.4R34 ★	**$477.00**
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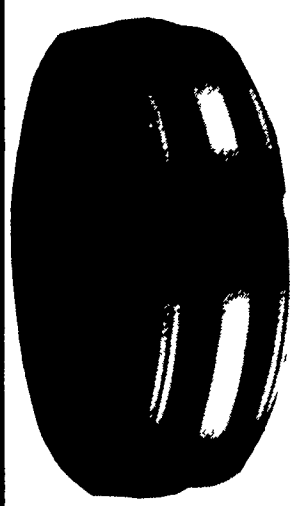
- Now You Can Buy Safemark Tires At Tremendous Savings

- Prices Good Until 1/31/89

FRONT TRACTOR SUPER HI RIB

3 Rib



550-16	4 Ply	**$38.26**
600-16	4 Ply	**$39.60**
650-16	6 Ply	**$48.68**
750-16	6 Ply	**$63.78**
750-18	6 Ply	**$72.70**
9.5L-15	6 Ply	**$69.98**
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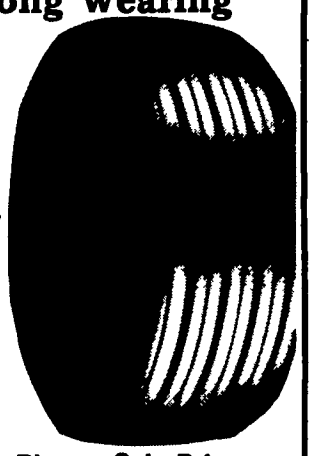

- High flotation
- Heavy load capacity

Size	Ply	Sale Price
670-15	6	$ 38.95
760-15	6	$ 39.26
600-16	4	$ 35.65
650-16	6	$ 45.24
750-16	6	$ 51.41
750-16	8	$ 56.53
9.5L-14	6	$ 42.38
9.5L-15	8	$ 45.92
11L-15	8	$ 47.63
12.5L-15	8	$ 64.52
11L-16	8	$ 50.45

Mfg. by McCreary Tire

Save Save

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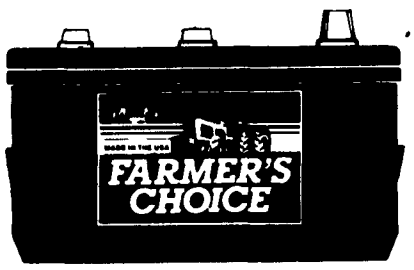

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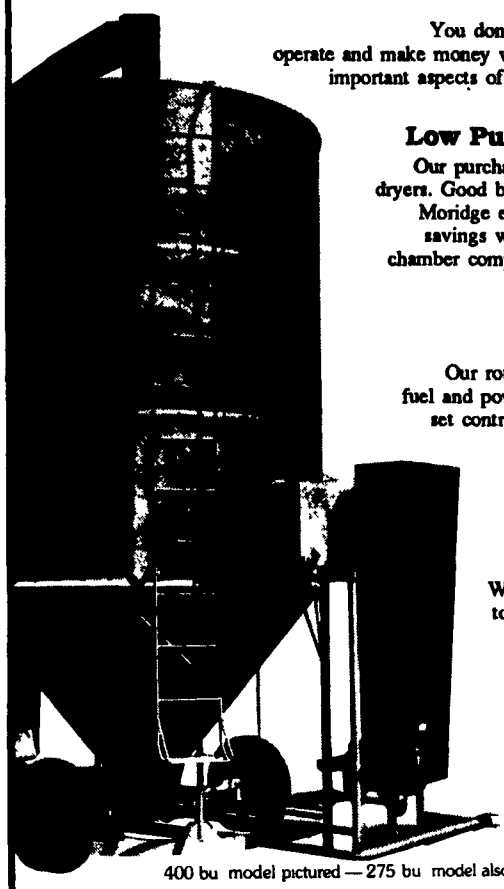
the grain dryer that only needs a little understanding.



You don't have to be a grain drying expert to own, operate and make money with a Moridge Grain Dryer. Here are three important aspects of our dryer we think you should understand.

Low Purchase and Operation Costs

Our purchase price is one of the lowest in circulating dryers. Good basic design allows us to power the 400 bu. Moridge easily with a 35 hp tractor. Combine tractor savings with an efficient burner--fan system--plenum chamber complex for some of the lowest cost-per-bushel drying figures you'll find anywhere.

Ease of Operation

Our round base levels quickly on any terrain. Add fuel and power supply, load grain into attached hopper, set controls, ignite burner and begin your own grain drying operation.

Handles Grain with Care

Moridge Dryers have been designed to minimize kernel damage wherever possible. We feed directly from loading auger flighting to the flighting of the recirculating auger, we measure grain temperature rather than air temperature; steeply angled walls of bottom cone increase flow of grain to base of the recirculating auger.

400 bu model pictured — 275 bu model also available

MORIDGE MANUFACTURING COMPANY
Phone (316) 345-6301 / Moundridge, Kansas 67107

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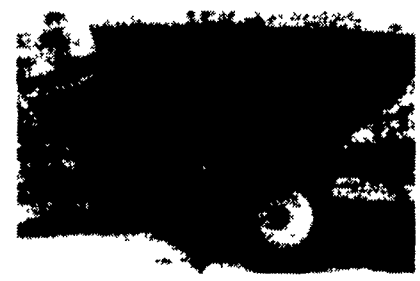
A COMBINATION THAT CAN'T BE BEAT!



Ficklin Grain Cart Model 9500

Keeps your combine running, reducing labor costs and time. Large 475 bu. capacity (500-plus bu. with splash-boards.)

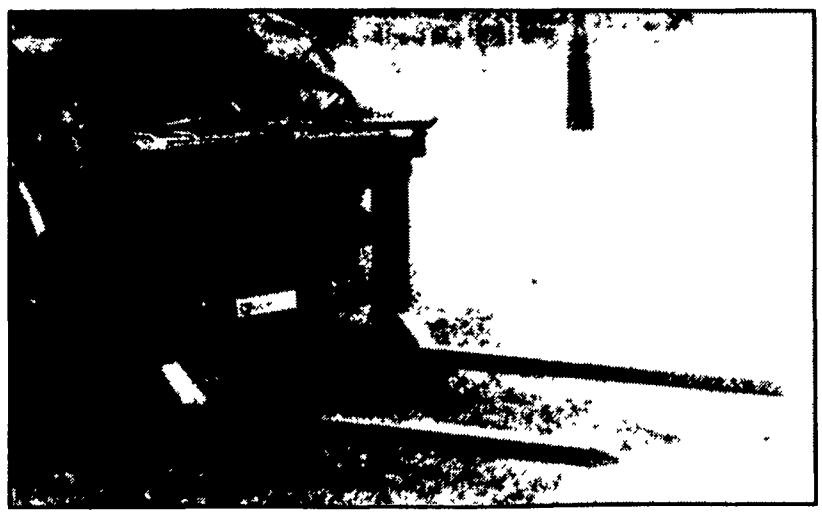
Flickin Gravity Flow Box Model 4500

can handle 2 full dumps from the larger combines. Fast, easy unloading. Brake Package optional.

Ficklin's has a complete line of gravity flow boxes ranging in size from 175 bu. to 450 bu., and running gears from 6-ton to 15-ton capacity.

FOR MORE INFORMATION, CALL OR WRITE

FICKLIN MACHINE CO., Inc.
209 W. GRANT, ONARGA, ILL. 60955
(815) 268-7826



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Your customers need versatile, economical equipment for lifting and transporting large round hay bales where they're needed. That's exactly what the Worksaver line has to offer.

From 3-pt. bale spikes to front loader spikes, from front loader bucket tines to 1500 and 3000 lb. bale forks, from universal loaders to hydraulic adjustable fork lifts, Worksaver has it all.

Add Worksaver baled hay equipment to your line, and watch your sales show the difference! **See your local dealer or call Hamilton Equipment, Inc. at 1-717-733-7951 for all the details.**

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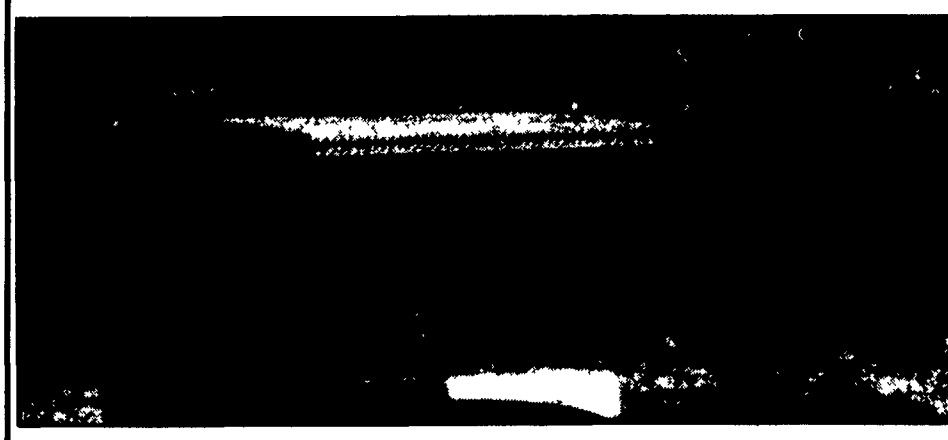
P.O. Box 1000, Litchfield, IL 62056
Telephone: (217) 324-5973

STAY COOL



The *Perryco Canopy* provides shade for tractor operators. It is constructed of 3003 H12 Aluminum deck plate, bright finish. This material reflects the sun to cool the driver. It is lightweight — only 79 lbs. Guaranteed not to rust like steel and not to deteriorate like fiberglass. No holes to drill. All bolts included.

The *Perryco Canopy* comes with automotive undercoating to dampen sound and insulate against heat.

Contact your local dealer or call

Hamilton Equipment, Inc. At
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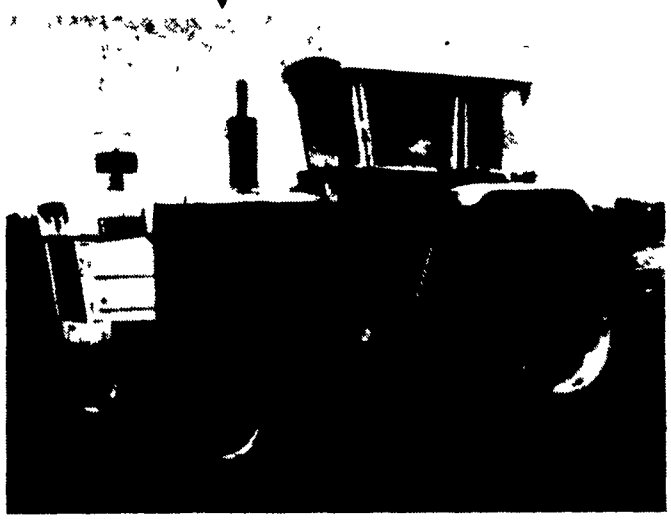
LORENZ

G-320 TRACTOR CAB



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- Large swing-out door
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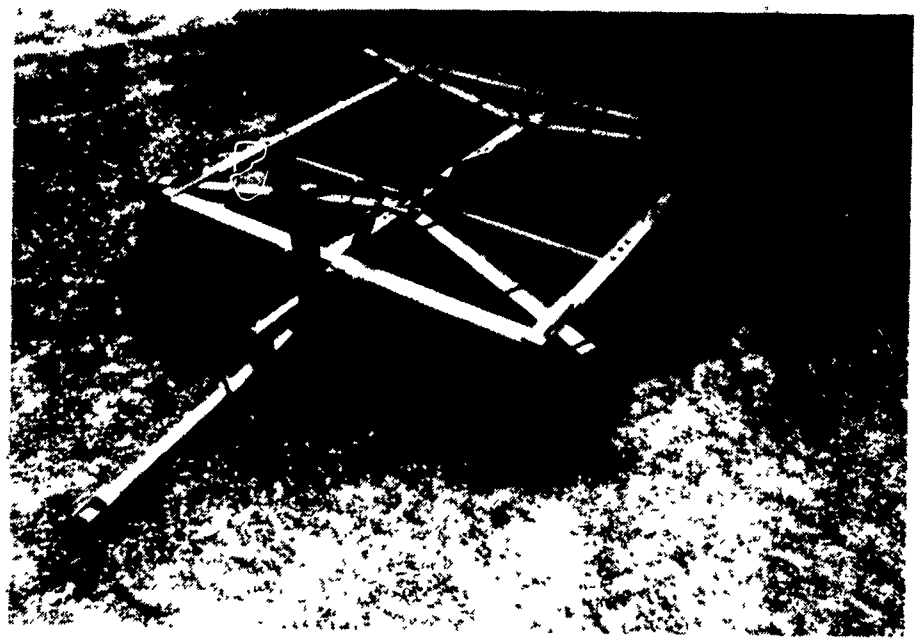
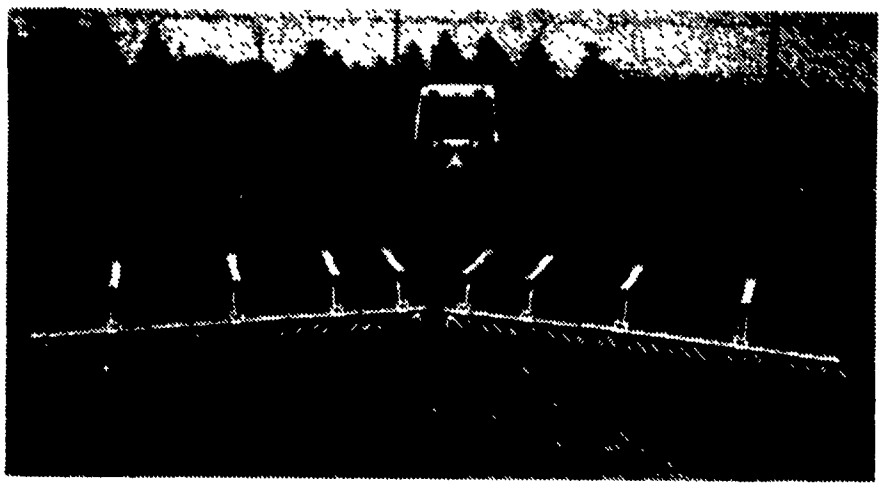
MONROE TUFLINE



Manufacturers of lift-type disc harrows, wheel type disc harrows, offset disc harrows, grader blades, box scrapers, and V-plows. Pictured is the Model TW5 Series. Options include shock flex gang hangers for rocky conditions.

Contact your local dealer or call Hamilton Equipment, Inc. at 1-717-733-7981 for information



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1989 QUALITY FARM EQUIPMENT CATALOG

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Mt. Airy Dairy 4-H Club held its annual dinner on November 18, 1988 along with Lebanon Bethlehem 4-H Dairy Club. There was a good turnout and everyone had a good time. Holstein Achievement Awards went to Bruce Hockenbury, Tom Holcombe and Theresa Cooper all of the Ringoes, Lambertville area. The senior Dairy Judging Award went to Paul Hunt of Lambertville. Bruce Hockenbury received the Mount Airy Dairy Club Trophy. The Orion Drake award went to Tom Holcombe. Club members did a skit.

We Have A Good Supply Of Used Hose Crimping Machines

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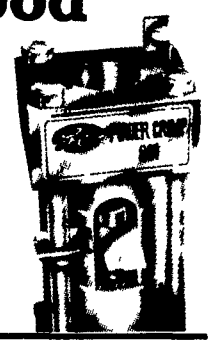

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BEILER HYDRAULICS

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All farmers must have an approved conservation plan by 1990 to stay eligible for USDA Farm Benefits. Protect your land; protect your benefits; call the U.S. Soil Conservation Service or your county conservation district today!

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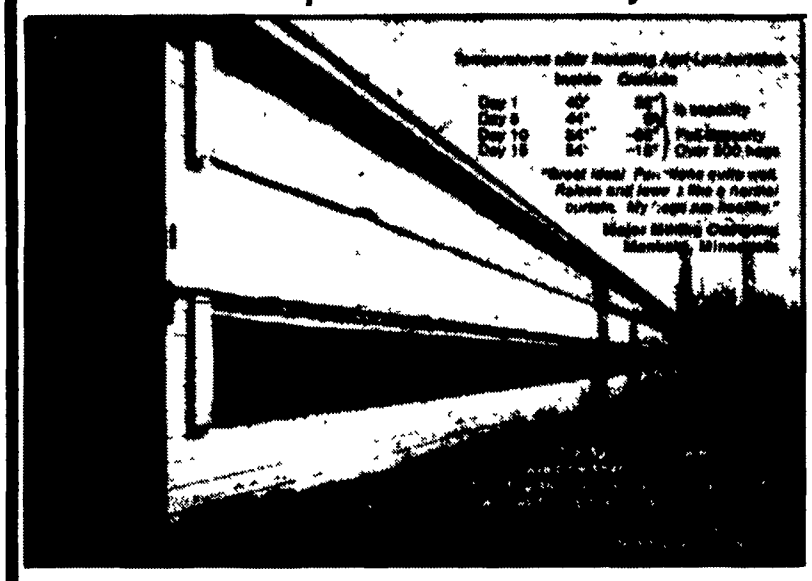

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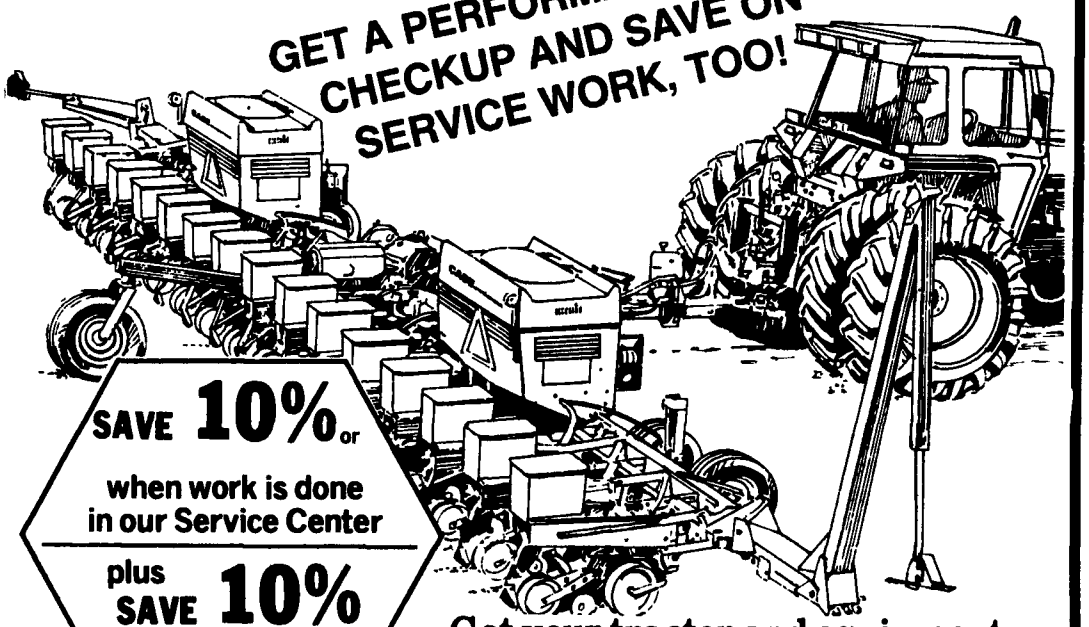
GET A PERFORMANCE PLUS CHECKUP AND SAVE ON SERVICE WORK, TOO!



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Older Pennsylvanians

(Continued from Page A26)

cies on Aging, Alzheimer's Disease and long-term health care will be available at the center.

Representatives from the American Association of Retired Persons (AARP) and the Pharmaceutical Assistance Contract for the Elderly (PACE) program will be on hand to offer brochures and answer questions. Eligible participants can receive assistance in completing PACE applications.

The reception area will be open from 8 a.m. to 4 p.m. on Monday in the west lobby along the south end of the Farm Show Complex. Monday's unloading area for senior citizen buses will be in the west circle of the Maclay Street entrance.

Admission to the Pennsylvania Farm Show, the largest indoor agricultural exposition in the country, is free. Approximately 8,000 individual entries of livestock, poultry and farm and home competition are on exhibit throughout the complex.

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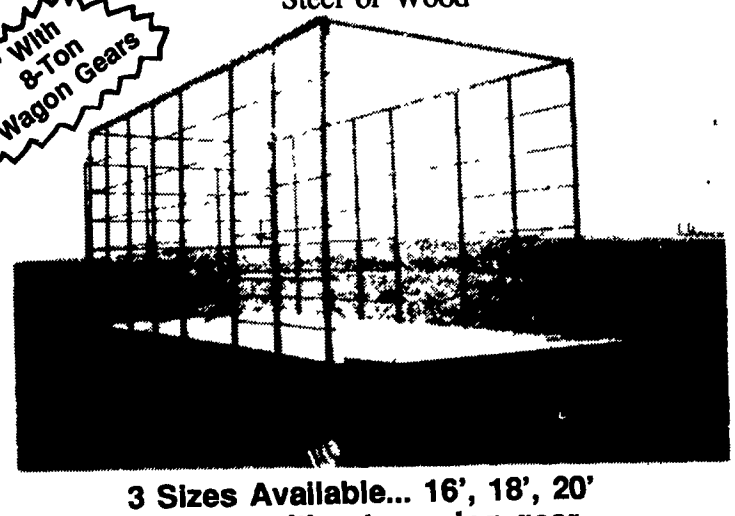
Steel or Wood

With 8-Ton Wagon Gears



3 Sizes Available... 16', 18', 20'
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• Also will fit sides onto your flat wagon

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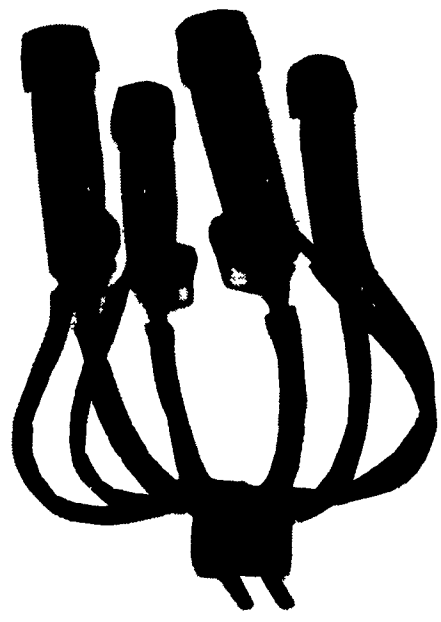

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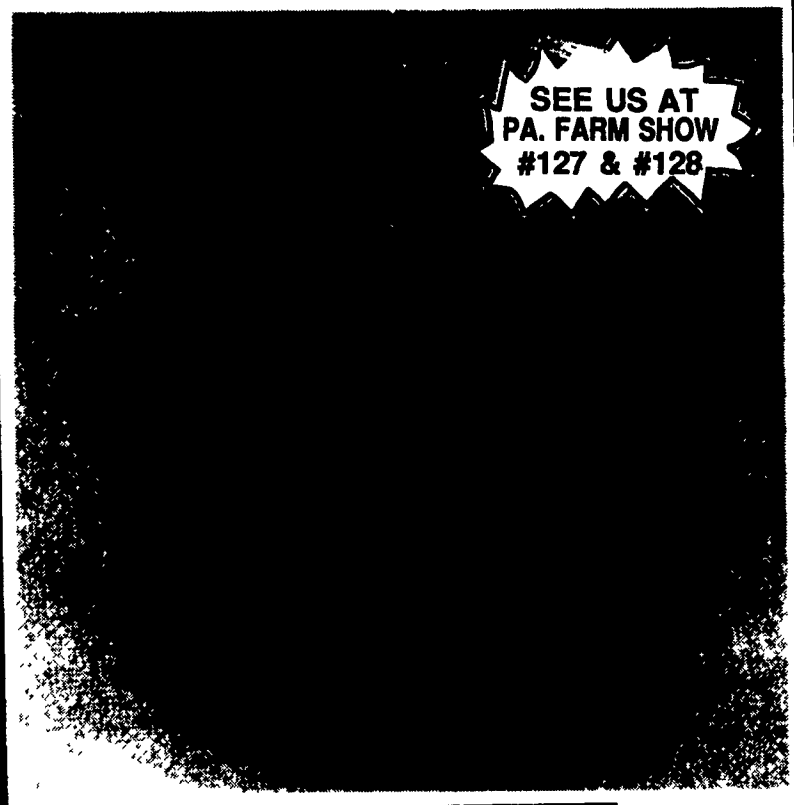

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Owatona Model 216 9' Mower Conditioner w/stub guards
A/C Model 444 Baler w/thrower
I.H. Model 440 Baler w/thrower
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New Holland Model 269 Baler
New Holland Model S69 Baler
New Holland Model 276 Baler
New Holland Model 315 Baler w/hydraulic header pick-up, hydroformatic bale tensioning
New Holland Model 315 Baler w/Model 70 thrower, hydraulic header pick-up, hydroformatic bale tensioning
New Holland Model 320 Baler w/hydroformatic bale tensioning Model 70 Thrower
Gehl Model 1500 Round Baler
Ford Model 552 Round Baler (made by Gehl)
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New Holland Model 55 Rake (Rebuilt Gearbox)
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New Idea Model 212 w/Upper Beater
New Idea Model 213 Flail
Starline Tank

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New Holland Model 25 Blower
New Holland Model 28 Blower
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I.H. Model 33008
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Bobcat Model 530

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Flat Bed Hay Wagon
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Dearborn 2-Bottom Plow
Pittsburgh 3-Bottom Plow
Ford 2-Row Corn Planter
3 Point Harrow
Bedding Chopper
6' Heavy Rear Blade

FORD NEW HOLLAND

BUSHHOG

END-OF-YEAR SPECIALS - NEW EQUIPMENT

** Badger Model 3210 Manure Spreader
Hydraulic Endgate
Hydraulic Drive
T-Bar Chain
220 Bu. Capacity
List Price $5,994
Special Price $3650

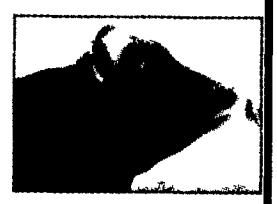
** New Holland Model 230 Running Gear - 6T
Special Price $500

HUTTON FARM EQUIPMENT
R.D. #2, Box 183, Mahaffey, PA 15757 (814) 277-6647

COULD WE BE PART OF YOUR MANAGEMENT TEAM?

BULL POWER

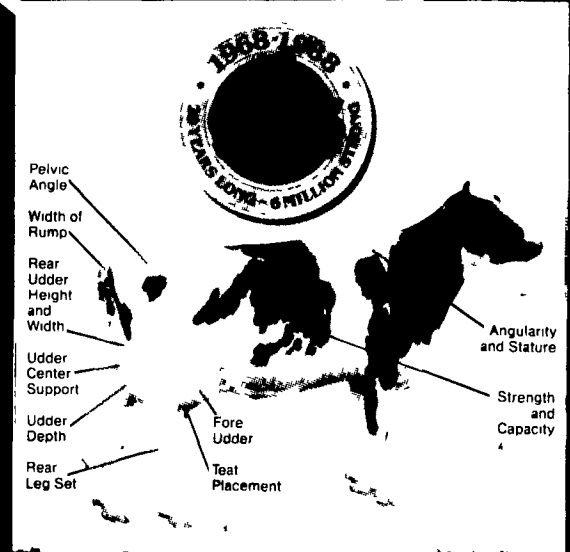
29 H2851 VALIANT



29 J2793 TOP BRASS

29 W0661 CENTRA

29 G0838 VICTORY



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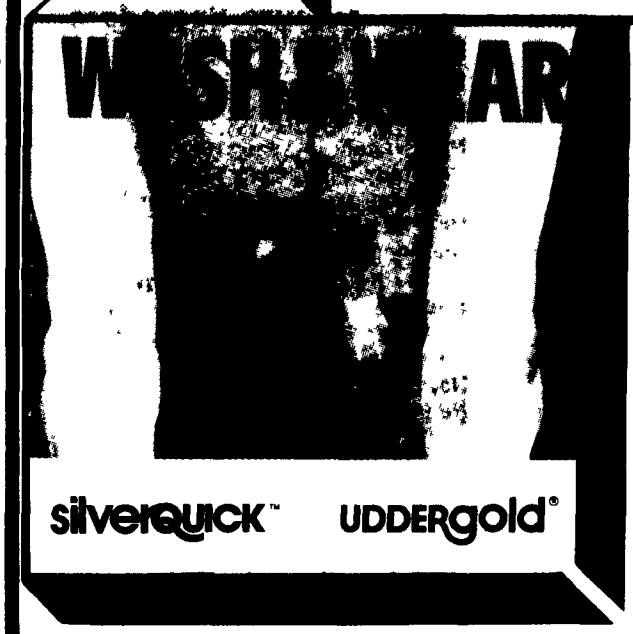
Tomorrow's Genetics Today!



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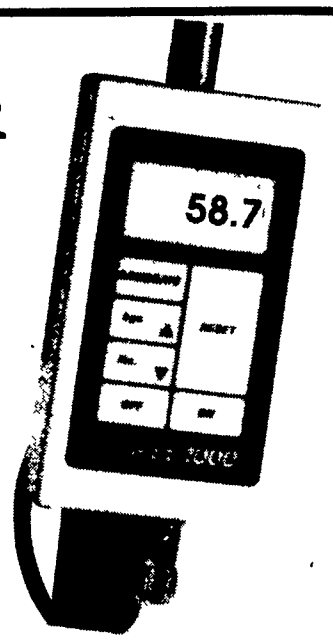
Committed to earning your business

AMERICAN BREEDERS SERVICE
Division of W.R. Grace & Co.

FLO-TEST MILK METER

1000 Digital Milk Readout For Pipeline Milker Units

- HIGHLY ACCURATE
- IDEAL FOR STANCHION BARN OR PARLOR
- INSTALLS IN MINUTES
- CALIBRATES TO ANY SYSTEM



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See Us At The PA FARM SHOW Nupulse Exhibit, N30 & N31

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FISHER & THOMPSON, INC.

Milk Equipment Sales & Service

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24 HR. SERVICE

Amos Fisher (717) 687-8871 — Leasing Programs Available — Rich Thompson (717) 627-1162

NORMAN BRAUN
COMPLETE DISPERSAL
Dairy Cattle and Machinery
Thurs., Jan. 12, 1989

At 11:00 A.M.

Middleport, N.Y. At 10177 Johnson Road, 5½ miles south of Middleport, 1½ miles north of Rt. 77 turn on Salt Road.

Selling 75 Head Grade Holstein Cattle

DHI-AP Ave. 12/88 18,075 3.6 660F. This herd is milked in tiestalls and housed in freestalls. Calving interval is 12.6 months. Bred for year-round freshening with 21 head due January and February. Average age is 4 years. These are big, strong, milky cattle that will fit anyone's herd. Cattle will be pregnancy checked and will have shipping fever shots.

Machinery

1986 John Deere 4250 diesel w/1221 hrs., cab, air, AM/FM, front-whl. assist and like-new condition; JD 2840 diesel tractor w/cab and new rear tires; JD 4020 diesel tractor; MF 20 gas industrial tractor w/loader, 2 buckets, and manure tines; AC WD45 tractor; 18.4x34 duals; JD 3800 chopper w/2 and 1 row corn heads, hay head, and 2-row snapper head; Dion 16' S.U. wagon w/roof 1 yr old; Dion 14' S.U. wagon w/roof; INT 56 blower; NH blower; JD 336 baler w/kicker; 3 wood basket wagons; 2 flatrack wagons; JD 1209 mower conditioner; 28' hay and grain elevator; JD 42' hay & grain elevator; NH 56 side rake; windrow turner; INT 7' 3-pt mower; NH 667 barrel spreader 2 yrs old; MF 510 gas combine w/4-row narrow corn head and 13' grain platform; 3-pt. sprayer w/200 gal. fiberglass tank; 45'x6" transport auger; 2 gravity wagons; Gehl Mix-all grinder; INT 56 4-row corn planter; JD 15-7 FBB disc drill; 7-shank soil saver; JD F14H 5-btm 16" semi-mt plow; JD 16' tandem disc; Brillion 12' cultimulcher; JD KBA 10' disc; MF 3-pt. 4-row cultivator; JD 709 7' rotary mower; Hanson 8' snow blower; JD 3-pt 7' back blade; 25 KW PTO generator; McConnell 12' drag; 3-pt sprayer w/200-gal. fiberglass tank; JD barrel spreader w/new sprockets and bearings; Ford posthole digger; 3-pt. wood splitter; 3-pt cement mixer; 3-pt. ditcher; trailer; buzz saw; stock tanks; farm gates; 4' barn fan; 1000-gal. water tank; pile of rough-cut 2x4' and 2x6's; antique cutter; shop tools; 225-amp welder; ¾ drill; ¾ sockets; cow clippers; 3 snowmobiles; 50-gal. assorted epoxy paint; JD hi-pressure washer.

Produce

1400 bales 1st cutting hay; 200 bales 2nd cutting hay; 500 bales dry cow hay; 14'x40' silo with high-moisture ground ear corn; 20x60 silo with 40' corn silage; 20x60 silo with 25' haylage.

Sale Order: Machinery, Cattle.

Mr. Braun is an Exceptional caretaker; this machinery has been well-serviced, stored, and cared-for.

TERMS: Cash or good check day of sale with ID, nothing to be removed until settled for.

Owners:

MR. AND MRS. NORMAN BRAUN

Ph. 716-735-3795

WILLIAM KENT, INC. Box 778, Stafford, NY

Sale Managers, Auctioneers Real Estate Brokers Phone 716-343-5449

KENDALL OIL

100% Pennsylvania Oil
For More Oily - Oil
More Refined

#30 Super D III ..... $180 Drum
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Fuel Additives
For Gas Diesel Fuel
Replaces Lead Anti Icing

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Martin Tractor

RD 2, Box 247 Newville, PA 17241

Used Tractors

Ford 6700 excel. 861; Oli[SOLD]50, 770,; MM 950; Fordson Major w/loader; Year rou[SOLD]b for IH 706; IH 656, 350

Currently Dismantling Tractors For Parts

AC: B, WD, D19, 5040, XT190, 200, 7040; CASE: VC, VAC, SC, 600, 700, 730, 870, 1070, 1410; DEUTZ: 5506; FORD: Jubilee, 851, 971, 4000, 5000, 6000, 9600; IH: H, M, Super C, UD9 power unit, B275, 300, 350, 400, 404, 450, 460, 504, 544, 560, 584, 656, 666, 706, 806, 1026, 1206, 1256, 1586; JD: A, B, 40,50, 60, 520, 620, 720, 2010, 2020, 2040, 2510, 3010, 4010, 3020, 4020, 4430, 4630; MF: 65, 85, 165, 175, 178, 180, 1080; MH: 44; MM: 4 Star, 5 Star, Jetstar 3, 445, 602, 670, G1000; Oliver: 60, 66, 70, 77, 88, 770, 1450, 1550, 1600, 1650, 1750, 1800, 1850, 1855, 1950, 1955.

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No Out Of State Personal Checks

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ABSOLUTE AUCTION

To The Highest Bidder Regardless of Price

WELL MAINTAINED FULLY LEASED

PEACH BOTTOM, LANCASTER COUNTY, PA.

SAT., JAN. 28 1 P.M.

Jubilee Rd., Fulton Twp. Minutes from Rts 1, 272 & 222.

3¼ ± ACRES 19 RENTAL SPACES

3 BR. BRICK RANCHER

$37,500 ANNUAL NET INCOME

Directions: From Rt 1, Nottingham Exit; N. on Rt 272 (From Lancaster S. on Rt 272) to West on Little Britain Rd. (Just S. of Little Britain) to left on Jubilee Rd. & site on right.

Drive Thru Inspection Anytime

TERMS: 15% Deposit 90 Day Settlement

For Info/Brochure Call

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AUCTION

HAY — STRAW — GRAIN

ABERDEEN SALES CO., INC.
LIVESTOCK AUCTION MARKET
Located on Rt. 22 in Churchville
Harford County, Md.

First Sale January 21, 1989
11:00 a.m.

Sale Every Saturday Throughout The Year
Same Location and Time

CONDITIONS OF SALE

Hay and straw sold by the ton, except loads of 50 bales or less and round bales will be sold by the bale. Ear corn will be sold by the ton, shelled corn and other small grains will be sold by the bushel.

All loads sold by weight must have weight tickets showing gross, net and tare weights from a certified scale. Delivery by seller, 10 miles or less - no charge, beyond 10 miles pickup truck $.50, straight truck $1.00, tractor trailer $1.25 per loaded mile. All loads will be sold according to quality as specified by seller. Buyer has right to reject load on delivery if quality is not as specified by seller.

- TERMS -

CASH OR APPROVED CHECK WITH CURRENT BANK REFERENCE

"PIT BEEF AVAILABLE ON OPENING DAY"

For further information call our office Monday thru Thursday 7:00 a.m.-1:00 p.m. 301-836-7590. Night Phone 301-734-7105.

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Nothing Matches The Versatility Of A Bobcat Skid Loader

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ZETOR

Zetor ND9-031 4WD Forklift..$26,500
Zetor 7711 Low Profile.....$13,400
Zetor 5245 w/Front End Loader.....$15,300
Zetor 5211 .....$9,000

SHEETS BROS.
1061 Carlisle St.
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(717) 632-3660

PUBLIC AUCTION
Of Valuable Real Estate
SATURDAY, FEB. 4, 1989
11:00 A.M.

Directions: From Strasburg take Rt. 896 South for 2 mile turn right first Rd. past Michael's Bakery to Summitt Hill, right on Summitt Hill to property on right.

Real Estate consists of 14 acres with 10 acres of tillable ground in a high state of cultivation, 2 acres of pasture with stream, and 1300' of Rd. Frontage in Paradise and Strasburg Townships. Dwelling is an attractive 4 bedroom Brick Farmhouse with oil fired hot water heating system, new septic system and is served by public water. The barn is 44'x94' has stable area and is scaffolded for 4 acres of tobacco. Excellent opportunity for horse, vegetable or tobacco operation or just plain country living in the heart of the Amish Country.

Terms: 10% down day of auction. Settlement to be held on or before March 31, 1989. Open House - Sat., Jan. 14 2 to 4 p.m. and Sat., Jan 28 2 to 4 p.m. For information or appointment call 687-8943.

Auction by

ROGER M. AND KANDY J. ROHRER

Auctioneer: Burnell L. Buchen
AU 1246
Kenneth R. Covelens, Attorney

The Second
DIAMOND-GROVE OPPORTUNITY!

Brodnax, VA

125 REGISTERED HOLSTEINS

Selling on

SATURDAY, JANUARY 28th

10:30 A.M.

A Production Sale!

Sales Management Selected
Only Outstanding Animals
Freshening Between
October 15th and February 28th
Selling 5 VG — 24 GP — 21 Good
Rolling DHI Herd Average
303 Cows — 18,248m 3.6% 652f
Outstanding Selections Include Daughters of Bova, Bell, Columbus, Chairman, Glendell, Rod, Mars, Valiant
Guest Consignors with Exceptional Registered and Grades —
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WE SHIP UPS ANYWHERE

FILTERITE WATER FILTERS

$1.99 Ea.

Case of 30

$53.70

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STOCK TANK DE-ICER

1500 Watt

$27.99

Mod. 521

PAT. PEND.

STAINLESS STEEL-Heating element

UNSINKABLE-Polystyrene Float

Hook up-cord with steel cord protection

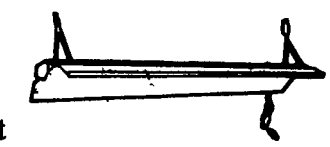
AUTOMATIC THERMOSTAT-Senses WATER Temperature

$37.99

5 Gal. Wet/Dry Vac

For indoors & out. With 6-foot hose, nozzle & 4-wheel dolly

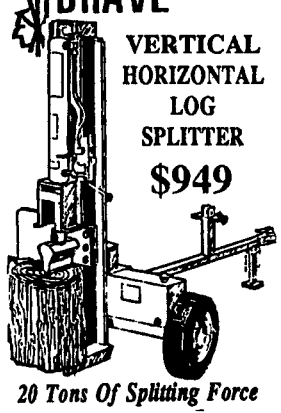
$8.99



Shop Light

Hanging flourescent shop light with reflector and 12-inch cord. Unassembled, uses 2-40W bulbs (not included). UL approved.

BRAVE



VERTICAL
HORIZONTAL
LOG
SPLITTER

$949

20 Tons Of Splitting Force

Used Splitters Available

28.88

Whole House Filter with Valve

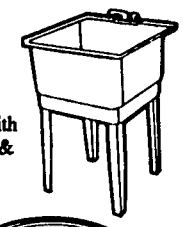
BARGAIN BUY!

Built-in valve for fingertip control of water shut-off & easy cartridge change. Incl. filtering cartridge.

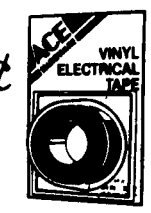
15.99

Laundry Tub

Heavy-duty poly tub with self-draining soap dish & backsplash

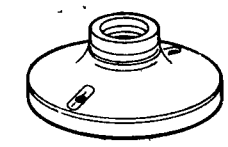


39¢



Electrical Tape

Ace vinyl tape on ¾ "x60" coil has many household uses. UL listed.



Porcelain Lamp

Ceiling fixture fixt 3¼ "/4" box. Features grooved shade holder.

99¢

1.39

WD-40

Spray lubricant stops squeaks, protects metals, frees rusted and corroded parts & mechanisms.

99¢

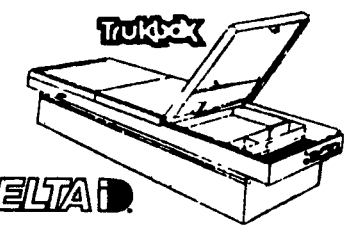
Heavy Duty Hand Cleaner

Heavy duty hand cleaner w/lanolin handles tough dirt & protects skin.

2.77

Duct Tape

Strong, sticky & water proof all-purpose tape has dozens of uses. Seals around doors, windows, ducts & dryer vents.



Crossover Tool Box

$79.99

Low profile, unrestricted rear vision. Heavy duty steel construction. Rust proof sliding parts tray. Full weather-stripping hinge. No. 1A

pipe insurance

freeze protection

cut it to any length

$1.29/Ft.

New **FROSTEX II** Heating Cable

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Smoke Alarm

SPECIAL FEATURE

Detects smoke in its early stages. Alerts your family to danger with loud 85 db horn.

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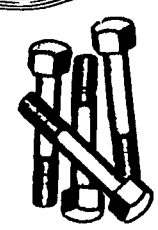
All riveted construction. Gives up to three times longer service Safe sanitary. No 88

NELSON

YOUR CHOICE

Creep Waterer

Sanitary, plastic baby pig waterer. Heavy duty, works automatically. No. 79



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No. 2	No. 5
89¢ Lb.	$1.19 Lb.

Grade two hex and carriage, ¼ " to ¾ " diameter, up to 6" long

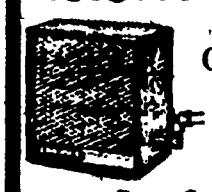
TRACTOR CHAINS

Custom Made To Your Specifications

STOP IN FOR PRICING

PHILLIPS 66 ANTI-FREEZE

7.49 Gal.

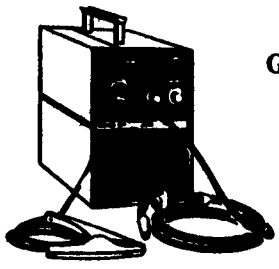


Mega Heat CERAMIC FURNACE

Reg. $99.99

NOW **$84.99**

Runs On Pennies A Day!



Gasless - Wire Feed WELDER

Easy to operate includes helmet

$289.99

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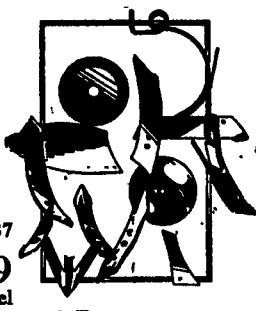
Scraper Blade

6 Foot No. EB6 7 Foot No. EB7

$169.99 **$179.99**

3 point, 15" moldboard, reversible, steel cutting edge. Will fit cat. 1 equipment. Full 360° rotations with 7 positions; forward and reverse.



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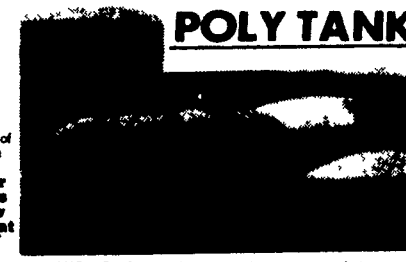
See Us for the Names You Know and Trust at the BEST PRICES AROUND!

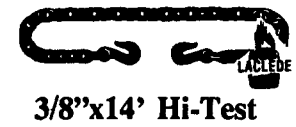


- 550 Gal. Poly Tank.....$279
- 1050 Gal. Poly Tank.....$399
- 1550 Gal. Poly Tank.....$479

Your Poly Tank Headquarters

Truckloads In Stock...
All Sizes Available

SAVE NOW ON POLY TANKS



3/8"x14' Hi-Test Tow Chain

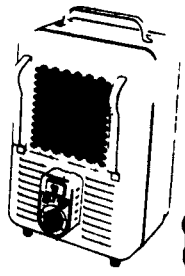
$18.99

High test 3/8" welded chain with a working load limit of 5400 lbs. No. 1424-822-58

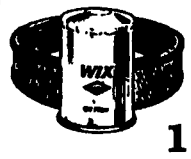
TITAN

Utility/ Milkhouse Heater

$24.99



Ideal for shop, garage, home, barn and camper heavy-duty rugged construction Dual-heat selector. 1500/1300 watts, Therm-O-Dial thermostat, fan-forced convection coils, special handle for carrying or overhead mount and Ever-cool case No T760B1



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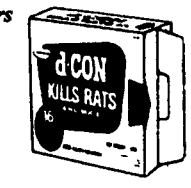
10% OFF

HYDRAULIC FLUID

5 gal.	$18.99
1 gal.	$3.89



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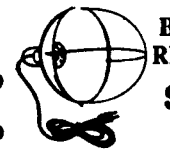
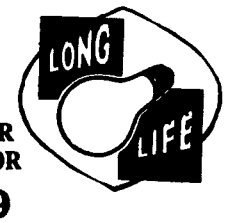
1 lb.	$2.99
4 lb.	$7.99
6 lb.	$10.99
Pullets 1 lb.	$2.99
Lin Nß 10/1.5 oz. pks	$3.89



BROODER REFLECTOR

$5.79



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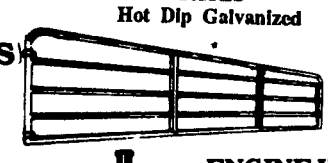
DOUBLE DIPPED GALVANIZED

FARMASTER

GATES

Hot Dip Galvanized



6'	$29.99
8'	$37.99
10'	$41.99
12'	$46.99
14'	$55.99
16'	$59.99

35,000 BTU	$139.99
50,000 BTU	$169.99
70,000 BTU	$199.99
100,000 BTU	$249.99
150,000 BTU	$299.99
Optional Thermostat	$34.99

LONG LIFE LIGHT BULBS

25 Watt	130 V
40 Watt	5000 Hr
60 Watt	Case Lot
75 Watt	(120 Bulbs)
100 Watt	.37/Bulb

¼ " Galv. Wire, 16' Length

34" High Hog Panel **$15.99** ea.

52" High Cattle Panel **$17.99** ea.

2"x6" Mesh Nursery Panels 34" High x 16' Length **$25.99** ea.

HEAT LAMPS

125W & 250W Clear

Your Choice

$1.29 ea.

ENGINE HEATER

1000 Watt.....	$17.99
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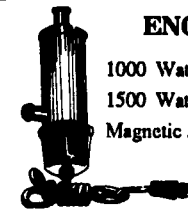

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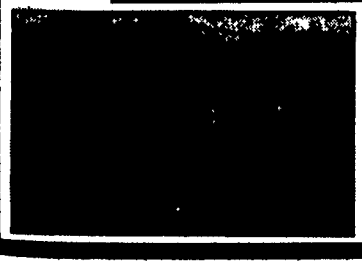

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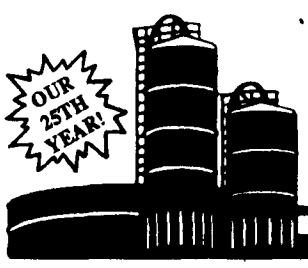

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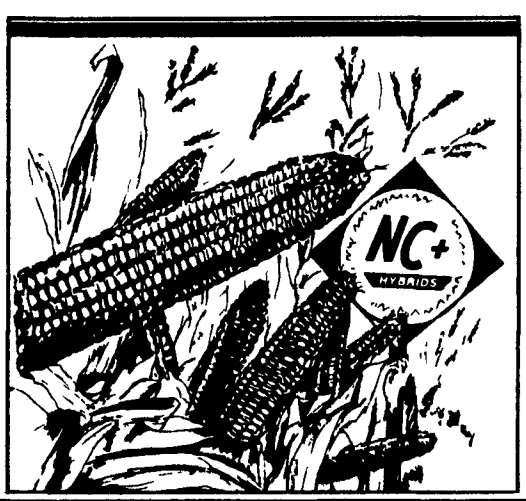

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Sue Beshore Recounts Farm Show Memories

BY JOYCE BUPP
York Co. Correspondent

NEW CUMBERLAND (York) — Sprinkled throughout the memories of dairy farmer Sue Beshore are moments from Pennsylvania Farm Shows past.

Both Sue and her husband, Jed, grew up in dairy families who bred and exhibited registered Holsteins. Among the many cattle shows they attended each year was the annual January stint at the Farm Show complex.

Sue's parents, Ray and Nancy Seidel, exhibited their Kerchenhill herd for many years. And, her father showed Ayrshires before going into Holstein competition. Sue, her brother Doug, and sister Helen, all have their own special memories tucked away from years of 4-H and open class tanbark travels around the cavernous Large Arena.

"I remember one year in particular, when I was about 11 or 12," relates Sue. "My yearling heifer - I think it was Princess Ann - got spooked in the big arena, and took off across the show arena."

"I cried," she chuckles in remembrance, a confession that brings a look of concern to the face of her four-year-old daughter, Angie.

During many of those same Farm Shows past, Jed Beshore, youngest of the four children of Athena and Wayne Beshore, was gathering his own memorable experiences. During one of his very early years - probably age 4 or 5 - Beshore decided to do a bit of sightseeing on his own through the sprawling exhibit complex.

"I figured I knew my way around," he confesses, adding "And, I got lost."

The Beshore family had instructed their youngsters well on what to do if such an event over occurred. Thus, that year, Jed Beshore returned to the family's show exhibit by way of the Pennsylvania State Police's "lost children" retrieval services.

Thus it seems only fitting that this couple, married since 1979, continues the tradition as Farm Show registered Holstein exhibitors.

Though she loves cows, Angie Beshore's favorite farm animal at the moment is probably her Manx kitten - appropriately named Kitty.

Angie enjoys helping Sue with feeding the baby calves.

Angie is the fourth generation of Beshores on this dairy farm located at York County's northern tip, on a plateau just west of the Capitol Airport. Jed's grandfather began farming and tending a dairy herd here about 1917. Wayne and Athena continued the operation until 1985, when Jed and Sue took over the reins.

Although "retired," Wayne still regularly lends a hand with chores, credits Sue. "Grammy," she adds, "is an excellent baby-sitter for Angie during milking hours."

Farm Show week generally becomes something of a working family gathering for the Beshores and the Seidels. Jed's nephew, C.E. Hubbard III, is in charge of the show string, and has been walking the heifers since before Thanksgiving. Sue's brother Doug Seidel, a professional cattle fitter, will lend a hand to the preparations.

Sue handles the "public relations" part of the Farm Show exhibit, preparing pedigree signs and decorations for the Beshore Farms cattle display area. And, of course, the milking back home, along with keeping everyone fed, piles of show clothes laundry and related chores always make the week a hectic one for her.

But this year, Sue is carry additional responsibilities. In April, she was named executive secretary of the Pennsylvania Dairymen's Association, which works with other dairy and related groups to coordinate activities benefiting the overall dairy industry.

In cooperation with the Valley Grange of Lewisberry, the Dairymen's Association co-sponsors the extremely popular milkshake booth at the Farm Show. Funds raised by the Dairymen's Association through the sales of thousands of milkshakes and related dairy product novelties benefit dairy princess, promotion and youth activities.

Sue emphasizes that the Pennsylvania Dairymen's Association also owns the milk house equipment and operates the milk house for major cattle events at the Farm Show complex, as well as at the Penn State Ag Arena.

Penn State dairy systems specialist Steve Spencer oversees those milk house operations for the Association. Milk receipts from show events help maintain the equipment, contribute to the state's dairy princess program, and provide a return to exhibitors for milk produced at the shows.

Tuesday of Farm Show week will be especially busy for Sue. While helping with their cattle during the show, she will also be mentally reviewing last minute details of the Dairymen's Association's annual meeting that evening.

She notes that the speaker for the annual meeting and banquet, scheduled for the Sheraton Harrisburg East, is Penn State extension economist H. Louis Moore.

Even as a youngster, Sue Beshore enjoyed the variety of challenges offered by dairy farm life. When she was in fifth grade, the family moved to the farm in the Richland area of Berks County.

"When I was in high school, I was never ashamed to say that I lived on a farm; my friends always felt at home there," Sue relates.

Initially planning a career as a dental assistant, Sue worked part time for a dentist while finishing high school. While she enjoyed the work, there were often conflicts with the 4-H cattle show schedules.

"Primarily, I left because I was not able to get away for shows."

Jed offers another viewpoint.

"Actually she left because she was cleaning a patient's teeth one day, and got his mustache caught in the revolving brushes." He laughingly recounts the incident that she admits actually did occur.

In 1976, the Seidels moved "almost back home" to the Kutztown area. For a while, Sue commuted the hour's drive back to her job as secretary at a Richland area Purina feed mill. The position enabled her to keep in touch with farm friends, and offered flexibility to participate in the cattle shows she so enjoyed.

While at the mill, Sue became acquainted with veterinarians who operated the Willow Creek Animal Hospital. Later, she accepted a job offer with the clinic, cutting her commuting time to less than half. The seven veterinarians asso-

(Turn to Page B4)

Sue checks last minute details for the annual banquet and meeting of the Pennsylvania Dairymen's Association. As its Executive Secretary, she is responsible for putting together PDA's annual yearbook, handling membership and coordinating the group's meetings and business details.

Jed and Sue Beshore discuss information for updating the pedigree signs used with their cattle display at the Farm Show.

One of the projects Sue Beshore enjoyed as a room mother for Angie's nursery school class was helping make stenciled toy bags as Christmas gifts for each student.

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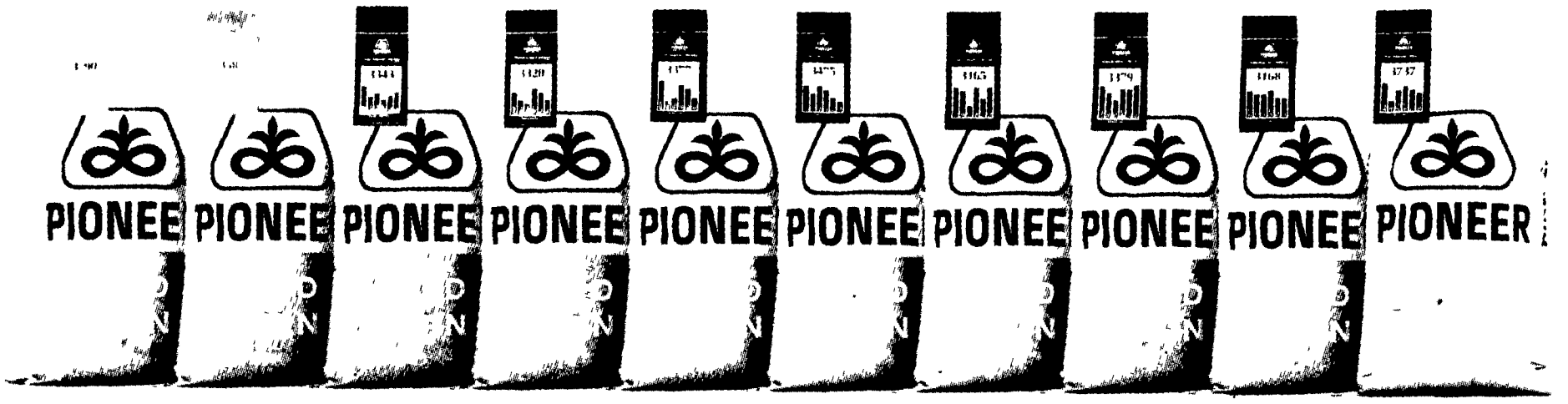

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Sue Beshore

*(Continued from Page B2)

ciated with Willow Creek worked with both large and small animals. Although she worked primarily in accounting, Sue's knowledge acquired from her work there has proven helpful in their own herd.

After marriage and a move to York County in 1979, Sue worked in the Camp Hill headquarters of the Purina company for two years. Then, the opportunity to work in dairy promotion proved irresistible to this former Berks County dairy princess, and she accepted a position with the Federal Order 4 Middle Atlantic Milk Marketing Association.

Organizing promotional events and working with several dairy princess programs brought Sue to Farm Show in yet another role. She helped coordinate MAMMA's milk promotion booth geared to spreading the dairy message to the thousands of non-farm consumers who attend Farm Show annually. It pleases her to see the cooperation of several milk promotion groups, working together in recent years, to organize and staff the popular, consumer-oriented dairy display.

Sue keeps her own hand in milk promotion with nursery school tours of the Beshore farm, offered several days each week during the month of May.

"Sue and fun are our requirements," she emphasizes. "We only have tours if the sun is shining, and we try to make it fun."

About 300 children, mostly age three to five, visited the Beshore herd last May. Jed's mother, Athena Beshore, first hosted the children of the downtown Harrisburg Neighborhood Center several years ago, and still assists with the larger groups of small visitors.

"We start at the calf hutches," explains Sue, "and try to put everything in terms they can understand. They can hold a bottle and pet the calves. Then we 'follow the milk route,' from the cow to the tank, and hold each one up to see the milk in the tank. They also like to sit on the tractor and 'beep' the horn, and they always play with the kittens."

Milk and cookies follow the hands-on visit, and visitors go home with "I Love Milk" stickers and rubber cow erasers. Angie, already a veteran dairy promoter, takes special pride in distributing these souvenirs.

Both Sue and Jed are in the barn for both daily milkings of their top-producing herd of 46 head.

"It's a great time for us to communicate," she said in regards to sharing the barn chores. Calf raising and the farm accounting are also her responsibility, though she willingly pitches in with most jobs, if necessary.

"I only have two 'don't's' - I don't throw down silage and I don't drive tractors," is the couple's understanding.

Sue serves on York County's dairy princess and promotion committee, and coordinates the county's advertising program in the state Holstein's PROFILES magazine. This year, she agreed to be "room mother" for Angie's nursery school class of 20 youngsters at the nearby Salem Community Nursery School.

But, for this upcoming week, it is Farm Show that takes precedence at Beshore Farms. Three generations of family cattle enthusiasts will gather to cheer on the farm's entries and enjoy the fellowship with other breeders.

And, as Sue Beshore sums it up: "It's fun to show when things go well; and just not quite as much fun when things don't go well."

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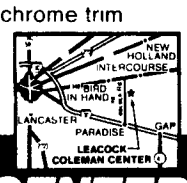

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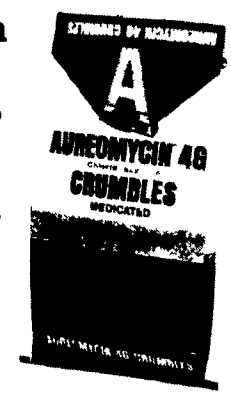

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On being a farm wife - And other hazards

Joyce Bupp

Little bubbles of anticipation are busy running around inside me. They're effervescent with eagerness about seeing old friends, perhaps making a few new ones and sheer enthusiasm for the sense of excitement that goes with it all.

"On the other hand...," to borrow the favorite phrase from the lead character, Tevyev, in the musical Fiddler On The Roof.

On the other hand, a sense of dread, of impending doom, stalks the bubbles of anticipation, like little monsters chasing Pac-Man around the video gameboard.

Farm Show stirs in me a whole host of conflicting emotions. Balancing the anticipation, fellowship and fun of competition is history. History supposedly repeats itself - which means the likelihood of something weird happening this week plays to pretty good odds.

Often these occurrences are the sort of things that are taken in stride when The Farmer is home. Often, too, they're stirred by the "typical" Farm Show weather. Of course, even without Farm Show, the probability of cold, snow, sleet, ice and freezing rain in January is pretty high.

One recent year, for instance, the water pipes in the dairy barn froze under the barn floor. This has happened only a few times in the eight years since the barn was built, and only when a certain, rare, combination of cold and wind direction combine. Farm Show week? Of course!

Then there was another year in which my absolutely faithful, not-even-a-hint-of-a-problem car battery died midway through Farm Show week.

Still, in fairness, the weather doesn't deserve all the blame.

One vivid non-weather-incident memory still sends shivers crawling up my spine. We had piled the truck high with supplies, to begin moving in for the week's duration. Bales of hay and straw were stacked tightly together on the back of the pickup and tied down securely for the 40-mile trip north.

For some unknown reason, a tie-down rope worked loose moments after we entered the right lane of the interstate and were getting up traveling speed. It took but a second for several bales to tumble from the stack and land in both northbound lanes.

In one of those moments when you absolutely feel the sense of being guarded by a higher power, there were no vehicles in either lane traveling behind us. And, even in the few seconds it took us to halt and back up, an alert trucker had halted traffic and helped toss the bales - every one still unbroken - to the roadside.

But the "Year of the Pigs" remains as vivid a Farm Show week in my memory as any I can recall.

At age 12, our youngest had become intrigued with the hog business, and acquired for himself two gilts. Only in the vision of hindsight - which became painfully clear about early January that year - did we realize that their visit with a neighbor's boar had been incredibly ill-timed.

Those baby pigs were due late in Farm Show week.

Naturally, ahead of schedule, on a cold, damp Sunday morning, piglets began labouring their way into the light of day. Unprepared, save for some hasty instructions given the day before, one young pig owner and his mother delivered, dried, tied cords, and begged heat lamps from dear farm-friends nearby.

By evening, the second litter of piglets was arriving. Confidence which came with the success of our first delivery lay shattered hours later, after the second gilt experienced serious problems and lost most of her babies.

So, once again, we clip cows and collect papers, plan work schedules and pack up half the household - and double check the tie-downs on the pickup loaded with bales. And hope the bubbles of Farm Show anticipation can manage to elude the more monstrous memories of history.

Comforting, too is the knowledge that the only pig on the place is in the freezer.

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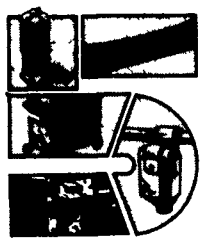
WEST CHESTER (Chester) — The Chester County Cooperative Extension is offering a morning and an evening session of Basic Microwave Cooking on Tuesdays, February 21 and 28 and March 14. The morning session will be from 9:30-11:30 a.m. and the evening session will be from 7:00-9:00 p.m. at the Extension office on the third floor of the Dague Building, 235 W. Market Street, West Chester. There is a fee of $20 for each session, either morning or evening.

Fran Alloway, freelance home economist and instructor for the class, will teach the essentials of using a microwave oven. The classes will include basic cooking principles, actual meal preparation and methods for converting favorite recipes to use in the microwave oven. Microwave oven features and cookware will be discussed and recipes will be distributed.

Deadline for registration is February 10. For further information, contact the Extension office at 696-3500.

CHORE-TIME

CHORE-TIME cow feeding system



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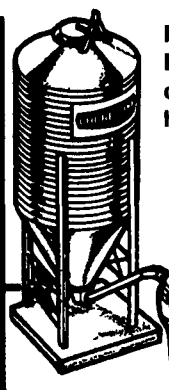

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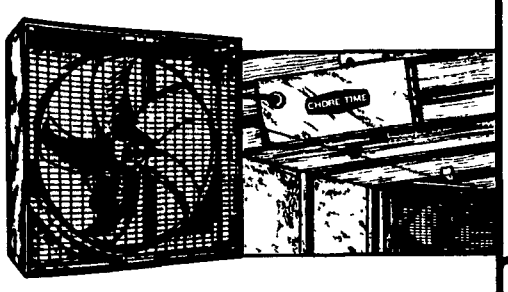

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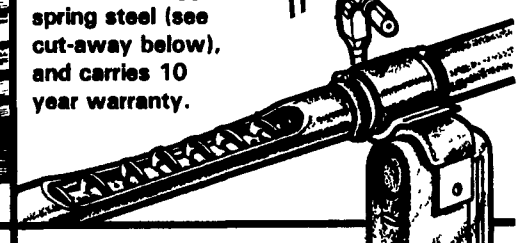

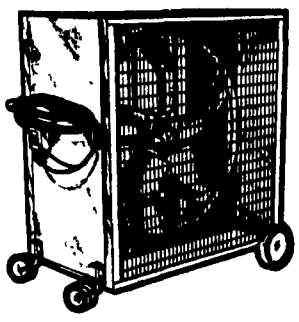

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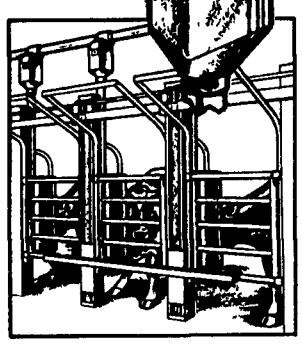

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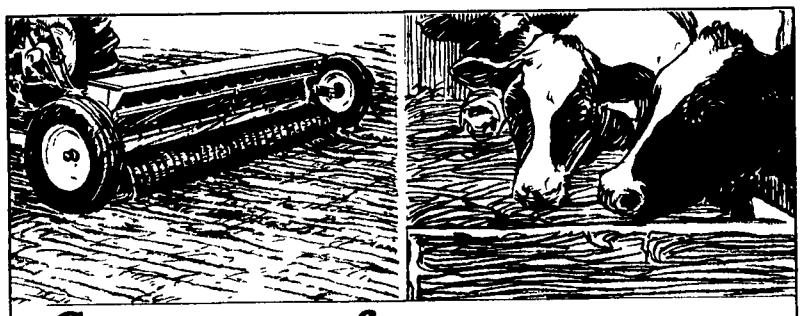

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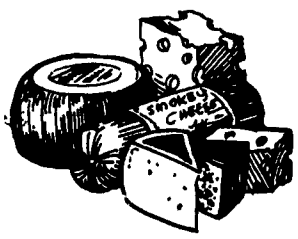
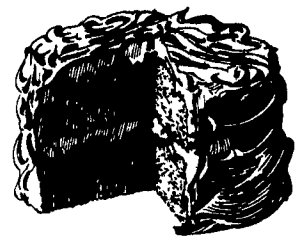


Home On The Range



Warm Up With Soup

Take off winter's chill with a hearty bowl of soup.

The call "soup's on" is enough to make anyone's mouth water if it's a pot of slowly simmering homemade soup.

Soup cookery uses a moist heat method called "Cooking in liquid." This slower cooking process helps tenderize the meat, gives the flavors time to blend while also retaining the nutrients of all the soup ingredients.

When the cold winds blow, and the sleet pounds on your roof, put on the soup and warm up.

HEARTY HAM & CHEESE CHOWDER

4 cups potatoes, cooked and cubed
1½ cups fully cooked chopped ham
½ cup onion
1 cup shredded American cheese
3 cups milk
3 tablespoons flour
3 tablespoons butter
Dash salt and pepper

Cook onion in butter until tender but not brown. Add the potatoes, ham, milk and seasonings. Blend in flour and cook, stirring until thickened. Add cheese, and stir until melted. Serves 8.

Denise Wenger
Mifflintown

HEARTY HAMBURGER SOUP

2 tablespoons butter
1 pound ground beef
1 cup chopped onion
1 cup sliced carrots
1 cup diced potatoes
½ cup chopped green pepper or celery
2 cups tomato juice
1½ teaspoon salt
⅛ teaspoon pepper
1 teaspoon seasoned salt
⅓ cup flour
4 cups milk

Melt butter in saucepan, add beef and brown. Add onion and cook until transparent. Stir in remaining ingredients, except flour and milk. Cover and cook over low heat until vegetables are tender. Then combine flour and 1 cup milk and stir into mixture. Let simmer. Add remaining 3 cups milk and heat, stirring frequently. Do not allow to boil.

Denise Wenger, Mifflintown, & Virginia LeAnne Musser, Manheim

MINESTRONE-STYLE STEW

1¾ pounds beef round steak, cut ¾ inch thick
1 tablespoon Italian seasoning
½ teaspoon cracked black pepper
2 tablespoons olive oil
1 large onion, chopped
2 large cloves garlic, minced
1 can (10½ ounces) condensed beef broth
¼ cup water
1 cup sliced carrots
¾ cup uncooked shell marcaroni
1 can (16 ounces) whole tomatoes
1 package (10 ounces) frozen Italian green beans
1 medium zucchini, sliced
3 tablespoons grated Parmesan cheese

Cut beef round steak into 1-inch pieces. Sprinkle with Italian seasoning and pepper. Brown beef in oil in Dutch oven over medium heat. Stir in onion and garlic and continue cooking 3 to 4 minutes. Pour off drippings if necessary. Add broth and water. Bring to a boil; reduce heat, cover tightly, and simmer 1 to 1½ hours or until beef is tender, stirring occasionally. Add carrots and macaroni and continue cooking uncovered, 20 minutes. Stir in tomatoes, green beans and zucchini and continue cooking uncovered, 10 minutes or until vegetables are tender-crisp. Garnish each serving with Parmesan cheese. Serves 6.

BROCCOLI CHEESE SOUP

2 tablespoons butter
¾ cup chopped onion
6 cups chicken broth
12 ounces noodles (wide)
2 packages (10 ounces) frozen or fresh broccoli
⅛ teaspoon garlic salt or 1 clove fresh garlic
4 cups milk
½ pound processed cheese
½ pound American cheese

Melt butter in a large pot, add onions and saute 3 minutes. Add broth and heat until boiling. Stir occasionally. Gradually add noodles, continue to boil. Cook 3 minutes, stirring occasionally. Stir in broccoli and garlic. Cook 4 minutes. Cook longer if using fresh broccoli. Add milk and cheese and cook until cheese melts. Add more milk if soup is too thick.

Kay Ann Leiby
Schuylkill Co. Dairy Princess

Keep your tureen filled with savory stews and soups to warm you up on a cold day.

CREAMED SPINACH SOUP

1 cup sliced mushrooms
¼ cup chopped onion
3 tablespoons butter
3 tablespoons flour
1 can (13¾ ounces) chicken broth
1½ cups milk
1 can (15 ounces) chopped spinach
¼ teaspoon pepper
⅛ teaspoon nutmeg, optional
Dash cayenne pepper

In large saucepan, saute mushrooms and onion in butter until soft. Blend in flour. Gradually add broth, stirring constantly, until thickened. Add milk, spinach and seasonings. Simmer 15 minutes. Do not boil. Garnish with parsley, if desired. Makes 6 cups.

CREAM OF TOMATO SOUP

¼ cup butter
½ cup chopped onion
⅓ cup chopped green pepper
¼ cup all-purpose flour
2 teaspoons instant beef-flavored bouillon
⅛ teaspoon salt
⅛ teaspoon pepper
2½ cups milk
1 can (16 ounces) stewed tomatoes

Melt butter in a medium-sized saucepan. Saute onion and green pepper until tender, about 5 minutes. Stir in flour, bouillon and seasonings until smooth. Remove from heat and gradually stir in milk. Heat to boiling, stirring constantly. Boil and stir 1 minute. Place tomatoes and liquid in blender container; cover. Puree until smooth. Stir tomato mixture into milk mixture. Heat to serving temperature.

HOME CANNED VEGETABLE SOUP

6 quarts potatoes, cubed
6 quarts carrots, cubed
6 quarts cabbage, chopped finely
6 quarts fresh or frozen green beans
6 quarts corn
6 quarts peas
6 quarts chopped celery
12 quarts tomatoes, skinned and chopped

Mix together all ingredients in a galvanized tub. Fill quart jars (about 35-40) with mixture. Put 1 teaspoon salt in each quart jar and seal. Cook in water bath for 3 hours. Contributor adds meat and broth when ready to use. She writes that a variety of meats such as venison, ground beef, beef, chicken or pork can be added.

Mrs. Robert Query
Mapleton Dpt.

CREAM OF CAULIFLOWER

1½ cups cooked cauliflower
3 tablespoons butter
2 tablespoons flour
1 teaspoon salt
¼ teaspoon pepper
2 cups chicken broth
2 cups milk
½ teaspoon onion salt
Cheddar cheese, grated
Paprika, optional

Puree the cooked cauliflower and add the onion salt in food processor or blender. Set aside. In heavy 2-quart saucepan, melt the butter. Blend in flour, salt and pepper, stirring until well mixed. Remove from heat, add chicken broth and milk, stirring with wire whisk. Gradually add cauliflower. Simmer on low heat, stirring constantly until soup is consistency desired, about 10 minutes. Garnish with cheese and paprika.

Susan Howard
PA

(Turn to Page B8)

Recipe Topics

If you have recipes for the topics listed below, please share them with us. We welcome your recipes, but ask that you include accurate measurements, a complete list of ingredients and clear instructions with each recipe you submit. Send your recipes to Lou Ann Good, Lancaster Farming, P.O. Box 609, Ephrata, PA 17522.

Jan.	
14-	Homemade Breads
21-	Oat Bran Recipes
28-	Sugar Free Eating
Feb.	
4-	Cholesterol Free Recipes

Featured Recipe

A reader sent me a recipe. Although I did not test it, I could tell by merely reading it that it was one our readers would enjoy.

Thanks Grace Hurst of Elkton, Maryland for sending this recipe. It's guaranteed to be one our readers won't forget.

Elephant Stew

1 elephant, medium-sized
Brown gravy
Salt and pepper
2 rabbits, optional

Cut the elephant into bite-sized pieces. This should take about two months, so plan accordingly. Add enough brown gravy to cover. Cook over kerosene fire about four weeks at 465 degrees or until fork tender.

Serves about 3,800 people. If more people are expected, the two rabbits may be added—but only if necessary because some people object to hare in their stew.

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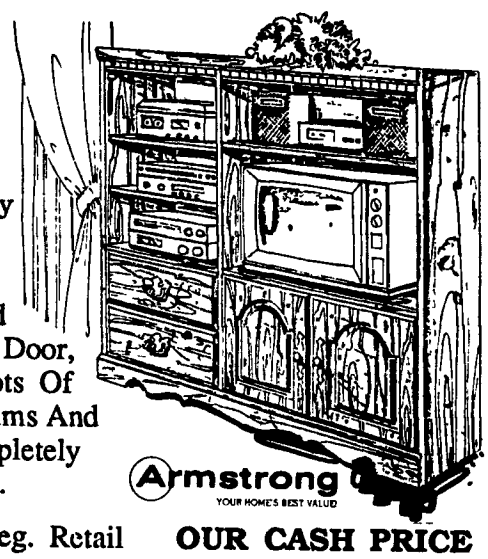

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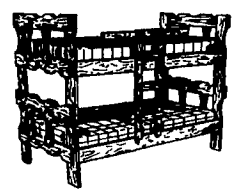
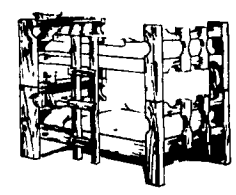


(Ladder At Foot of Bunks)

Choice Of Sculptured Or Spindle End In Bookcase Model



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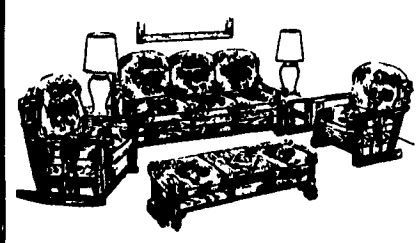

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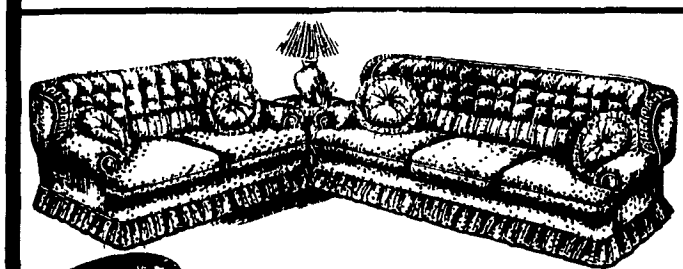

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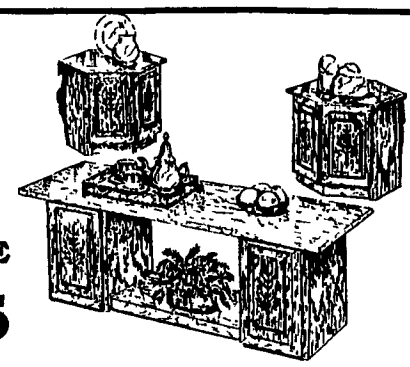

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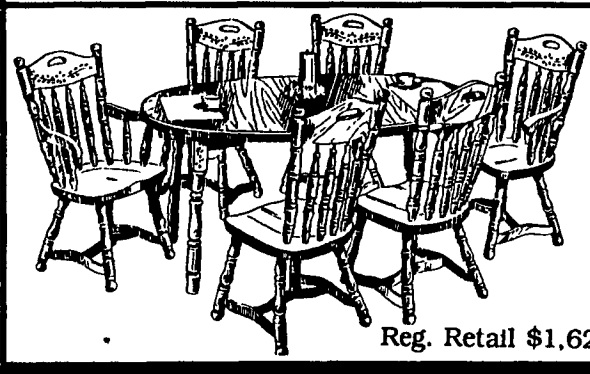

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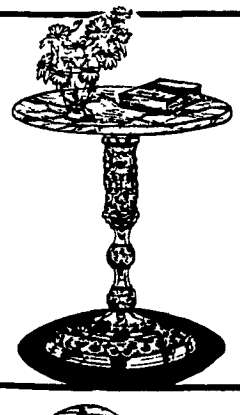

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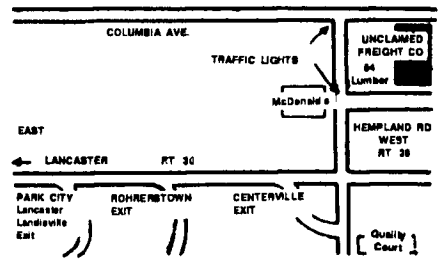

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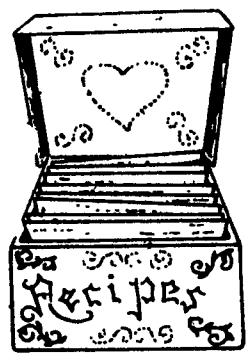


Cook's Question Corner

If you are looking for a recipe but can't seem to find it anywhere, send your recipe request to Cook's Question Corner, care of Lancaster Farming, P.O. Box 609, Ephrata, PA 17522. There's no need to send a SASE. If we receive an answer to your question, we will publish it as soon as possible.

Answers to recipe requests should be sent to the same address.

QUESTION - A Fleetwood reader would like a recipe for toaster breakfast pastries. If we do not receive an answer to this request within the next two weeks, we will assume no one knows the answer and drop this request.

QUESTION - R.G. Kamoda, Monongahela, requests recipes using a farm-dressed stewing hen for chicken noodle soup and chicken and biscuits.

QUESTION — Mary Schlaseman, Mt. Zion, requests a recipe for molasses coconut Easter eggs.

QUESTION — Helen Kalwasinek, Portage, asks, "Does anyone can geese?" Since some can beef and chicken, she suspects that geese can be canned but would like directions.

QUESTION— Helen Kalwasinek, Portage, requests a recipe for deli rye bread similar to that made by Stroehman's.

QUESTION — A reader from Snyder County requests a recipe for Wisconsin cheese soup.

QUESTION — A reader from York County wants directions for cooking home made tripe that will come out snowy white.

QUESTION — Mrs. Peter Pagetto, Danielsville, requests a recipe for homemade potato candy.

QUESTION — A reader from Manheim requests a recipe for baked chicken that tastes similar to Shake and Bake®.

QUESTION — Mrs. Eleanor Lesko of Newton, N.J. is looking for a recipe for Kentucky Fried Chicken®.

ANSWER — C. M. Haas, Monocauy Station, requested a recipe for chocolate shoofly pie. Thanks Mrs. Paul Weaver, East Earl, for submitting recipes.

Chocolate Shoofly Pie
(Pudding part)

2 cups granulated sugar
2 teaspoons flour
2 teaspoons corn starch
¼ cup cocoa
2 eggs
2 cups hot water
2 teaspoons vanilla
2 tablespoons butter

Cook together all ingredients. Cool. Pour a layer of pudding into the unbaked pie crust and cover with Shoofly dough. Makes 6 (8-inch) pies.

Shoofly Dough

1 cup lard or shortening
2 cups brown sugar
2 eggs, beaten
Add:
2 cups molasses
2 cups hot water
2 teaspoons soda
1 teaspoon cinnamon
1 teaspoon salt
2 teaspoons vanilla
3 tablespoons cocoa
5 cups flour

Mix together ingredients as if making a cake batter. Pour on top of pudding. Bake at 350 degrees for 35 to 40 minutes.

ANSWER — R.W. from Somerset County requested recipes for beef tongue. Thanks M. A. Cairns of Wagontown for sending yours.

Pickled Tongue

3-3½ pounds fresh beef tongue
2½ quart cold water
1 tablespoon salt
1 cup cider vinegar
2 tablespoons pickling spice, tied in cheesecloth.

Wash tongue. Place in heavy pan with lid. Add all

(Continued from Page B6)

POTATO SOUP

1 cup onions, chopped
2 tablespoons butter
1 tablespoon flour
2 cups potatoes, diced
1½ teaspoon salt
⅛ teaspoon white pepper
2 cups hot water
½ cup spinach, shredded, OR green beans
2 cups milk
1 tablespoon chopped parsley

Brown onion in butter. Add flour, blend well. Add potatoes.

ingredients and cook slowly for 3 to 4 hours or until tender. Liquids should totally cover the tongue. Add more water if needed.

Remove tongue and place on platter. Cut tongue skin from center front to center back on the outside and inside curve, pull off heavy skin and discard. Slice and serve.

The tongue sliced thin and cold for sandwiches is tasty with a light spread of mustard on your favorite bread.

ANSWER — Edna Davis, Lenhartsville, requested a recipe for apple strudel. Here is one from our files.

Strudel Dough

3 cups sifted flour
½ teaspoon salt
1 tablespoon vegetable oil
1 beaten egg
1 cup lukewarm water

To mix and knead dough: Sift flour and salt into a large bowl. Make a well in the center of the flour; place oil and egg in the depression.

Work flour gently into oil and egg and gradually add water to make a soft dough.

Turn dough out onto a lightly floured pastry board. Hold dough high above board and crash it down against the board. Repeat this about 100 to 125 times until the dough is smooth and elastic.

Knead slightly and pat it into a round. Lightly brush surface of dough with oil.

Cover dough with an inverted warmed bowl and allow to rest 30 minutes to 1 hour.

To stretch dough: Spread a large table, about 3x5 feet, with a clean cloth, allowing cloth to hang down.

Sprinkle cloth lightly but thoroughly with about ½ cup flour.

Place dough in center of cloth and roll it into a large rectangle, turning it several times to prevent its sticking to the cloth, and rolling the outer edges as thinly as possible.

With a soft brush, lightly brush the dough with cooking oil (not olive oil): the oil aids in preventing the formation of holes during strectching.

Now reach under the dough and start stretching (do not pull) gently from the center to the outer edge.

Work around the table until the evenly stretched dough is as thin as paper and drapes over the edges of the table on all sides.

As you stretch, keep the dough close to the table. The dough should not have any torn spots. If some should appear, do not try to patch them.

With kitchen scissors, trim off the thick outer edges that overhang the table. Allow the stretched dough to dry a little, about 10 minutes. It should lose its stickiness but avoid drying too long because it becomes brittle.

Apple Filling:

½ cup butter, melted and cooled
½ cup fine breadcrumbs
1½ pounds tart apples, peeled, cored and finely sliced (4 to 6 apples).
½ to ¾ cup sugar
1 teaspoon cinnamon
1 cup raisins
1 cup chopped walnuts, if desired

Brush dough with some of the melted butter.

Sprinkle two-thirds of the surface with breadcrumbs and apples.

Sprinkle the sugar, cinnamon, raisins, and nuts over this. Roll, place on buttered baking sheet. Brush with butter.

Bake in moderate oven 35 to 45 minutes, basting frequently with melted butter.

ANSWER — Martha Lair requested a recipe for chive buns. Thanks Bonnie Blain of Halifax for sending one that you say might not be what she is expecting, but they taste good.

Sour Cream And Chive Biscuits

2 cups biscuit baking mix
1 tablespoon dried snipped chives
1 cup sour cream or ¾ cup plain yogurt

Mix all ingredients and beat for 30 seconds. Turn onto surface dusted with baking mix. Roll to coat. Shape into ball; knead 10 times. Roll ½ -inch thick. Cut with a 2-inch cutter dipped in baking mix. Or for dropped biscuits, after beating batter, drop by spoonfuls onto lightly greased cookie sheet.

Bake on ungreased cookie sheet for 8 to 10 minutes.

(Turn to Page B9)

Warm Up

salt, pepper, water and spinach or green beans. Cook 10 minutes. Add milk and chopped parsley. Heat and serve. Serves 4 to 5.

Martin L. Roy
Warrenton, VA

WEINER CHOWDER

4 medium potatoes, cubed
2 cups corn, cooked
1 medium onion, chopped
1 tablespoon butter
4 hot dogs, thinly sliced
8 ounces cream cheese
1½ cup milk
Parsley
Salt and pepper

Fry onion and hot dogs in butter until browned. Cook potatoes until soft. Add remaining ingredients and heat. Do not let boil. Garnish with bacon bits.

Mrs. Leon Musser
Manheim

CHEESY GARDEN PUMPKIN SOUP

3 tablespoons butter
1 cup chopped onion
⅔ cup chopped celery
3 cups condensed chicken broth
1 large potato, diced
2 medium tomatoes, peeled, seeded and chopped
1 can (29 ounces) canned pumpkin
2 cups light cream
½ teaspoon salt
¼ teaspoon pepper
¼ teaspoon red pepper sauce
1½ cups (6 ounces) shredded Monterey Jack cheese

Melt butter in 4-quart Dutch oven. Saute onion and celery until tender about 5 minutes. Stir in condensed chicken broth, potato and tomato. Simmer, covered, until potato is tender, about 10 minutes. Place one-third of broth mixture in blender container; cover. Puree until smooth. Repeat with remaining broth mixture. Return pureed mixture to Dutch oven. Stir in pumpkin, cream and seasonings. Heat mixture to simmering; simmer, uncovered, 5 minutes. Remove from heat and stir in cheese until melted. If necessary, return to low heat to finish melting cheese. (Do not boil). Serve immediately.

CORN CHOWDER

½ pound bacon, diced
1 medium onion, chopped
4 potatoes, diced
2 cans (16 ounces) cream style corn
1 quart milk
Salt and pepper to taste

Fry bacon until crisp. Remove from fat. In saucepan, cook onion in some of bacon fat, add diced potatoes and partially cook. Stir in corn and milk. Simmer, covered, 20 to 30 minutes or until potatoes are tender. Add bacon, salt and pepper to taste. Reserve some bacon to garnish each bowl. Serves 8.

Geraldine Seipt
PA

DUTCH CHICKEN AND CORN SOUP

1 chicken (4 pounds)
3 quarts cold water
1 onion, chopped
4 cups chopped celery
12 large ears of corn
2 cooked eggs
Salt and pepper
¼ teaspoon saffron

Cook chicken slowly until it is tender adding salt, pepper, onion, celery and saffron while cooking chicken. Remove chicken and take meat from bones and chop. Cut the corn from the cob and add to soup. Cook for 10 minutes, then add chopped chicken and 2 chopped eggs. Serves 6.

Pat Landis
PA

Cook's Question Corner

(Continued from Page B8)

ANSWER — Peggie C. Leifeste, Matawan, N.J. requested a recipe for a "chemical garden." In addition to the one we printed last week, we have received several different versions from Marlene Sauder of Mohnton, an anoymous reader, and Bonnie Blain of Halifax.

Snowflake Garden

1½ cup salt
½ cup plus 4 tablespoons lime
½ cup plus 4 tablespoons cornstarch
½ cup plus 4 tablespoons blueing

Put ingredients in blender and slowly mix in ¾ cup water. Keep beating the mixture until it turns white. It takes a few minutes. Pour over a panful of coal, ashes or stones. Add miniature animals, fences, trees and other objects to make a winter scene.

Note: Do not pour mixture on too thick or it will not grow well. It should cover approximately 300 square inches.

Depression Plant

2 tablespoons cornstarch
2 tablespoons lime
2 tablespoons liquid blueing
2 tablespoons salt

Combine ingredients. Add enough warm water to make a thin paste. Spread over twigs, coarse sand, gravel and similar objects that have been arranged in a flat dish or tray. Set where it won't be moved and watch a snow-like appearance come to life.

Crystal Chemical Garden

Take chunks of broken brick, coal, porous rocks (not shiny ones) or sponge. The sponge can be cut into shapes like Christmas trees. Soak pieces in water until thoroughly wet, wring sponge out. Place in a shallow glass bowl (do not use metal of any kind). In a glass jar mix 4 tablespoons water, 4 tablespoons liquid blueing and 4 tablespoons ammonia. Pour over chunks, dampen them all. Put a few drops of food coloring on rocks, one or several colors can be used. Sprinkle 4 tablespoons of salt over entire area. Within a few hours flakes will begin to form. In less than 6 hours the garden will be well formed. After 2 days, add 2 tablespoons water and 2 tablespoons ammonia. Pour it into the side of the bowl, not on the crystals. When it reaches the size you want, stop adding liquid. If it all falls apart, just add the original ingredients to the same bowl.

Caution: Do Not let crystals grow beyond the bowl as they will damage furniture, especially marble and metal. Do not substitute any ingredient.

ANSWER — Dorothy M. Knaub of Red Lion writes that the red food coloring in the Red Velvet Cake can be substituted with water. She writes that it makes a light colored chocolate cake, but tastes good.

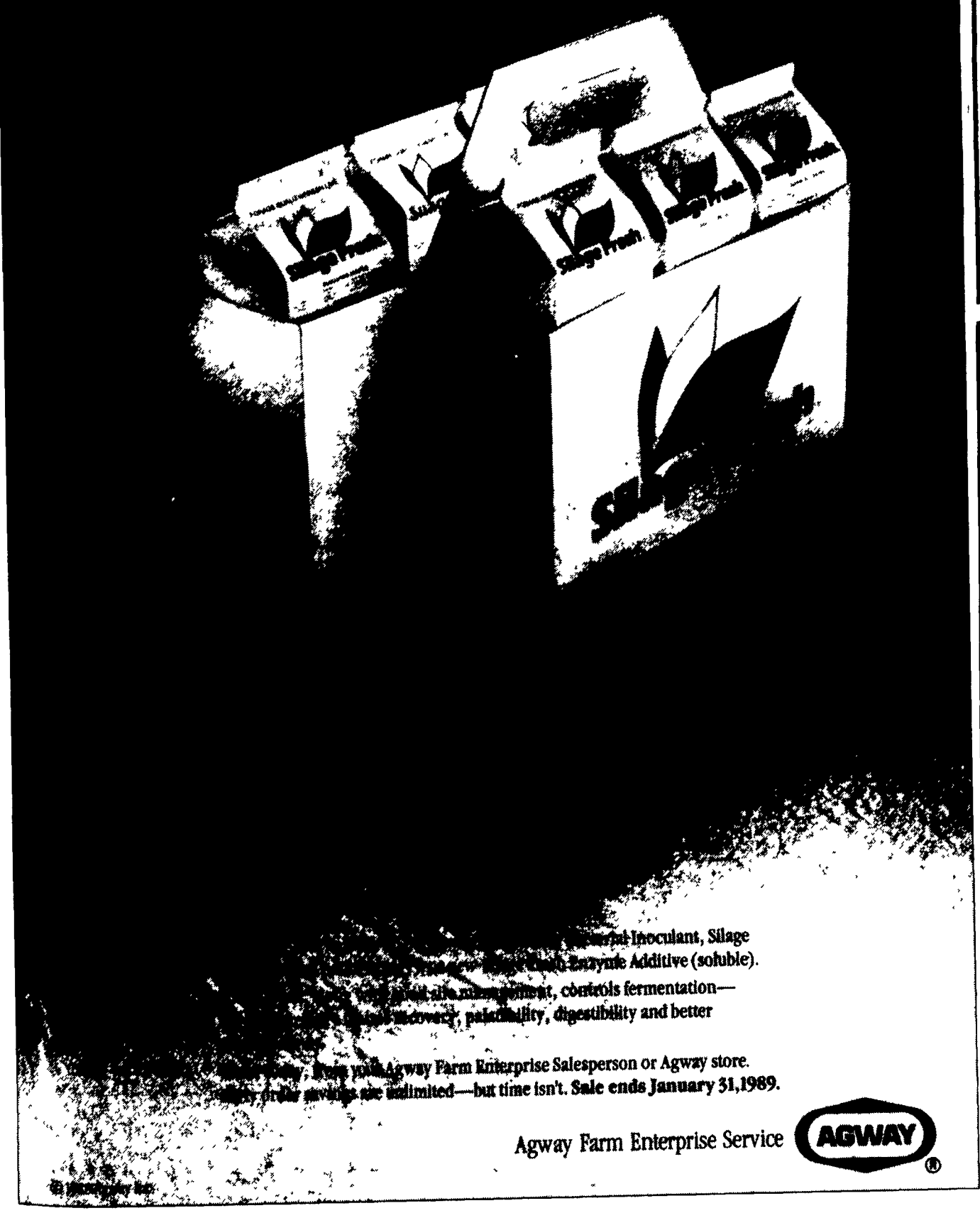
Training Offered

WEST CHESTER (Chester) — Community-minded individuals are needed to receive training as Master Finance Counselors to assist families in need of personal debt counseling. Other volunteers are being recruited from service organizations, agencies, churches and community groups. The training will consist of five three-hour sessions and the topics will include counseling techniques, basic money management, credit use and available community resources.

In addition to preparation time, most Master Finance Counselors will need to devote one or two hours a week meeting with one or two family clients. The only charge for the training will be the purchase of the Counselor's Guideline Manual which provides case studies, forms to use and a list of financial management resources.

If you would like to donate some time to become a Master Finance Counselor in Chester County, please contact LeAnna Wheeler, Family Resource Management Agent, Chester County Cooperative Extension, at 693-3500.

Limited Addition



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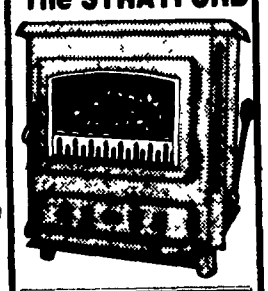

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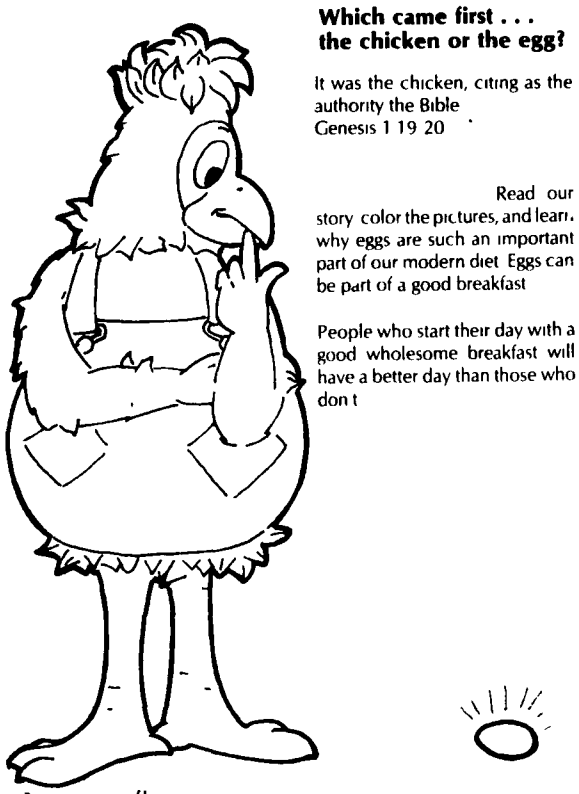
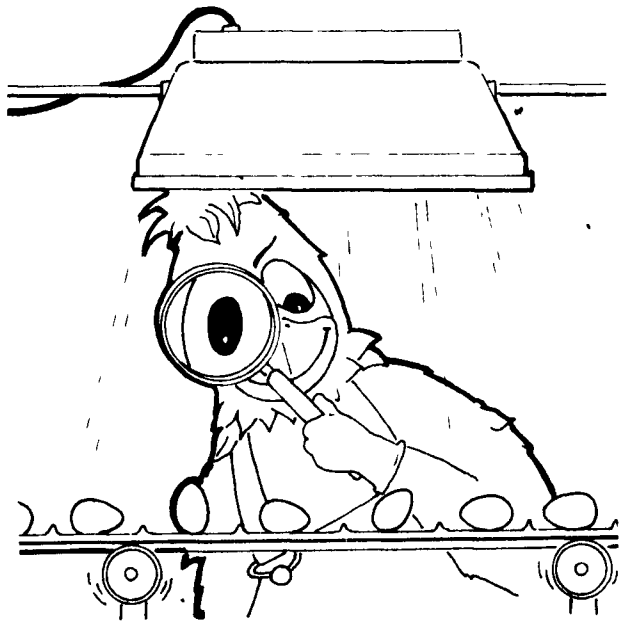


A hen's first egg is small, but they get larger as the hen gets older.

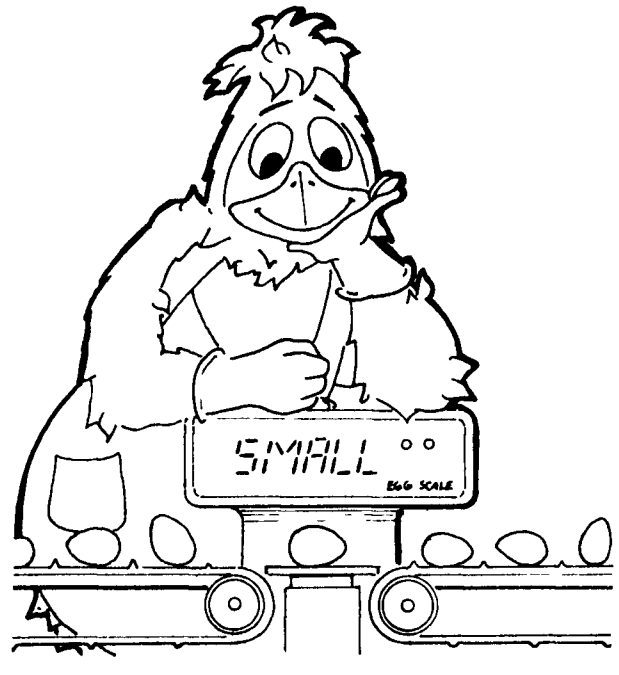
Trained people inspect each egg with a special light.



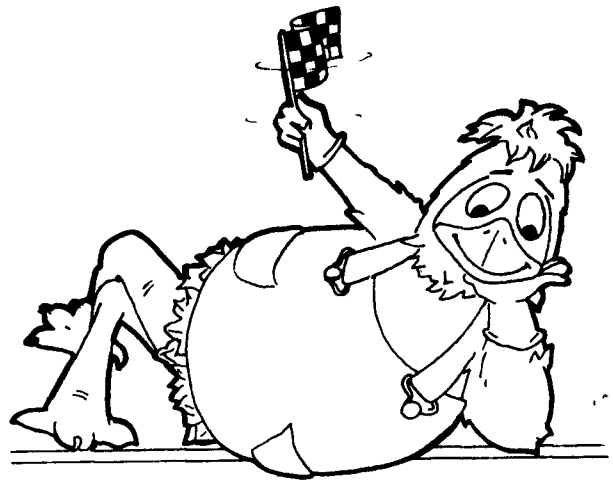
It takes a chick 21 days to hatch from an incubator.

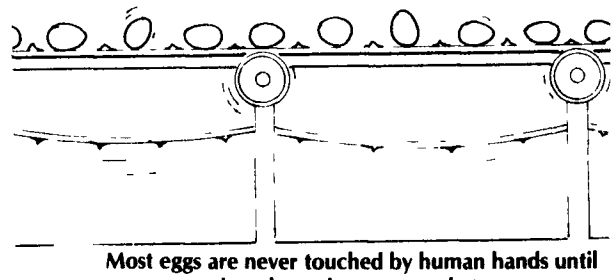
After 21 weeks, chickens are moved to the laying house where they lay eggs.

Eggs are weighed to see if they are jumbo, extra large, large, medium, small, or pee wee.



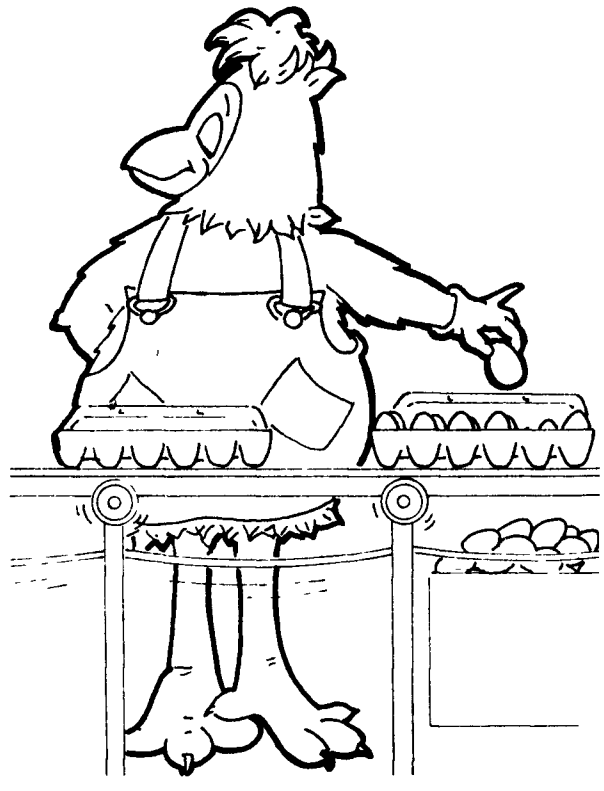
Many chicks live together where they eat, drink, and are kept warm.





Most eggs are never touched by human hands until bought at the supermarket.

Eggs are packed in specially designed cartons.



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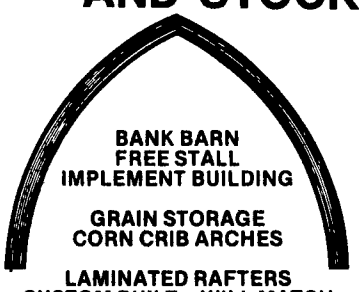

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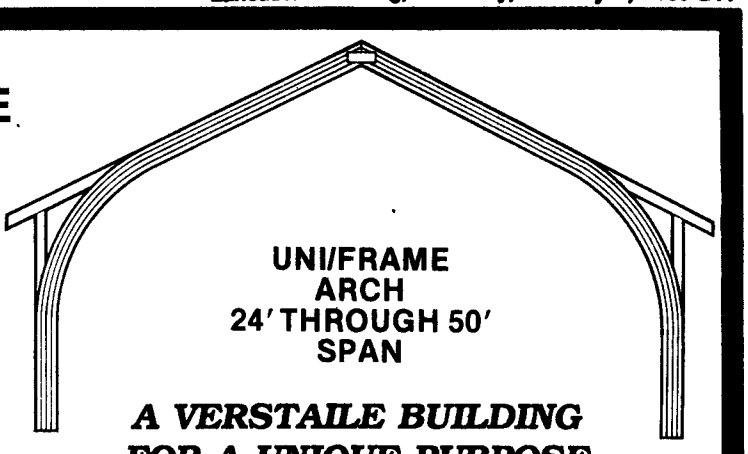

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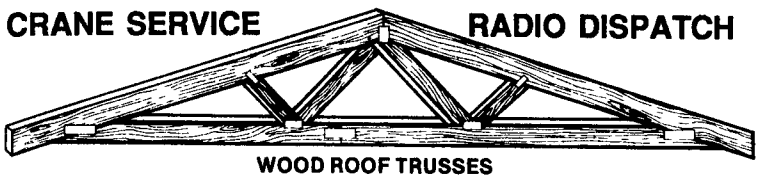

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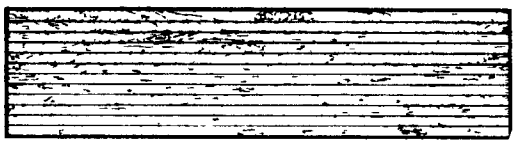

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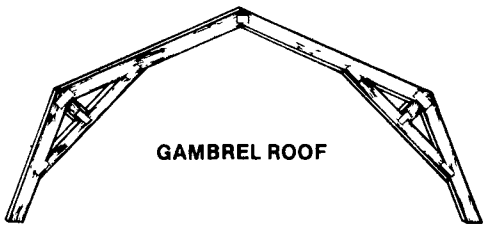

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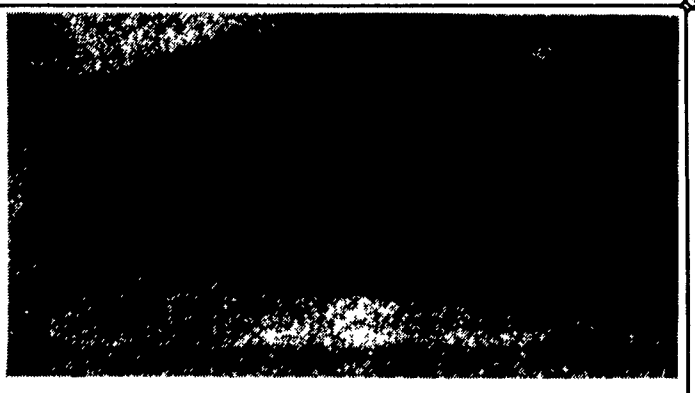

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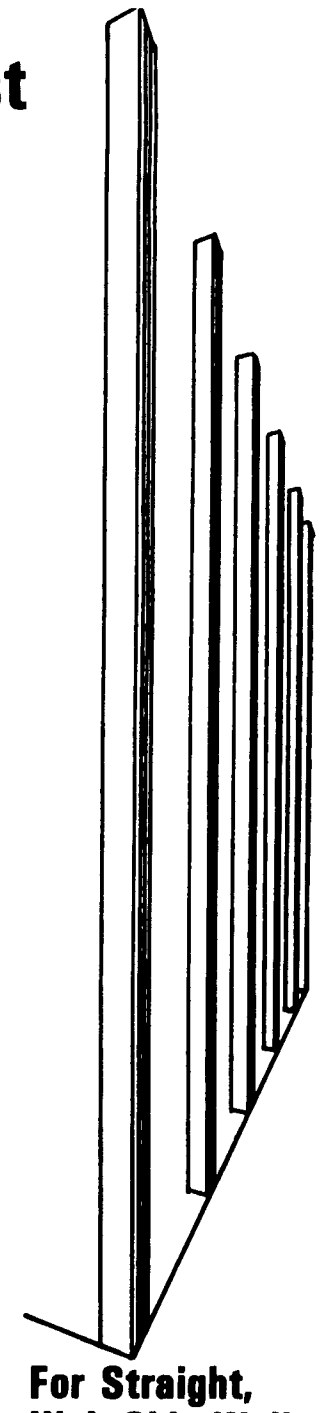

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MICROWAVE MINUTES

By JOYCE BATTCHER

After all the holiday eating, maybe you've decided to lose a few pounds. If so, your microwave is the ideal way to cook a "light" meal.

One of the advantages of low-calorie microwaving is that cooking's so fast, you aren't tempted to snack as you cook! Besides that though, quick microwaving preserves the flavor of many foods, especially vegetables, so you don't need rich sauces to make them taste good. Also, fat can often be omitted, or reduced, in a microwave recipe (exception: micro-baking), because fat isn't necessary to keep foods from sticking to the pan, like in conventional cooking.

To plan a light microwave meal, consider taste, color and texture like you would in conventional cooking. Think of low-calorie ingredients and check your microwave cookbook for recipes that fit.

The main course can be meat when you choose a lean meat and don't overeat. Most nutritionists recommend that three to four-ounce serving of meat two times per day is plenty to get adequate protein, iron and B vitamins. The four-ounce portions in Hamburger Steaks (below) start with lean ground beef — the kind that contains 77 percent to 81 percent lean. Lean ground beef stays juicier than extra lean, yet has much less fat than regular ground beef. For the least amount of fat, microwave Hamburger Steaks on a microwave meat rack, steaming rack or a special ground meat cooking dish.

Vegetables and starch round out the meal nutrition-wise and help fill you up. A micro-baked potato is moist and tasty when its cooked until barely done, wrapped in foil or covered and allowed to stand to finish cooking. Allow about four minutes on High per medium potato.

Choose a green vegetable — such as broccoli, green beans or brussel sprouts — for the least calories and the most vitamins. Again, for best taste, don't overcook. Add just a small amount of water for cooking; and for extra appeal, add your favorite herb to vegetables during cooking. Brussel Sprouts with Orange uses orange juice instead of water and a dash of thyme for a great taste.

If dessert is a must, choose to micro-bake apples filled with raisins and a tiny bit of sugar, or warm sliced oranges or micro-cook Lower-Calorie Chocolate Pudding (below). This pudding is lower in calories than regular pudding because it's made with skim milk; but it's still rich tasting and nutritious.

To add pizzazz, a low-fat high-flavor topping — like Light Mushroom Topping (below), made with almost-no-calorie-mushrooms — makes a meal extra flavorful and appealing. Sauces also add a specialness to a low-calorie meal. Most can be made lower in calories by using skim milk, reducing amount of fat by half, or using pureed vegetables as thickening.

Today's recipes show that a "light-in-calories" meal doesn't have to be light in heartiness. This filling country-style meal contains only 526 calories per person and is low in fat and cholesterol too. (Calorie count includes a medium micro-baked potato.)

Start by microwaving Lower-Calorie Chocolate Pudding, so it's at serving temperature by the time you're ready to eat. Then microwave Light Mushroom Topping. Next, micro-baked four medium potatoes, according to directions in your manufacturer's cookbook. Wrap each in foil or place in a casserole with tight lid so they finish cooking and stay hot. Microwave Hamburger Steaks. Let them stand covered while microwaving Brussel Sprouts With Orange. Reheat mushroom sauce if necessary. This meal for four is ready in about 30 minutes.

Lower Calorie Chocolate Pudding

6 tablespoons sugar
3 tablespoons unsweetened cocoa
3 tablespoons cornstarch
2 cups skim milk
1 teaspoon vanilla

In a microwave-safe 2-quart casserole or 1½-quart measure, stir together sugar, cocoa and cornstarch. Gradually stir in milk until smooth. Microwave (High) 5 to 6 minutes, stirring after each 2 minutes, until pudding is thick and boiling. Stir in vanilla. Pour into serving dishes. Serve warm or cold. Makes 4 servings.

Each serving: 153 calories, 5g protein, 0 fat, 34g carbohydrate, 64mg sodium, 3mg cholesterol.

Hamburger Steaks With Light Mushroom Topping

1 pound lean ground beef
Paprika (optional)
Onion powder (optional)
Garlic powder (optional)
Light Mushroom Sauce (below)

Form ground beef into 4 equal patties. Make small indentation in center of each patty. If desired, sprinkle with paprika and onion and/or garlic powder. Place patties in microwave-safe 8-inch round or square dish or microwave bacon/meat rack, arranging patties around sides of dish and leaving center open. Cover with waxed paper. Microwave (High) 2 minutes. Drain and rearrange patties if necessary for even cooking. Microwave 1 to 2 more minutes, according to desired doneness. Let stand, covered at least 1 minute. Makes 4 servings.

Each steak with ½ cup topping: 264 calories, 23g protein, 16g fat, 4g carbohydrate, 82mg sodium, 74mg cholesterol.

Light Mushroom Topping

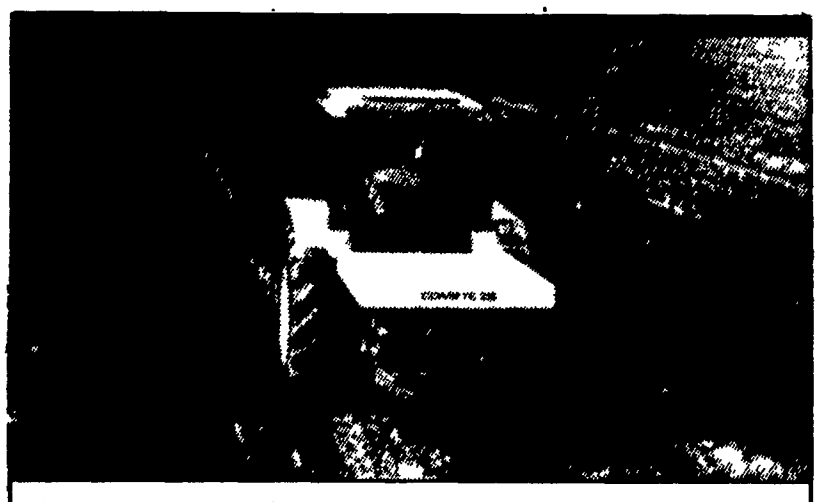
1 small onion, thinly sliced
1 clove garlic, minced
½ teaspoon Worcestershire sauce
8 ounces fresh mushrooms, cleaned and sliced
Salt and freshly grated black pepper

Place onion, garlic and Worcestershire sauce in a microwave-safe 1-quart casserole. Cover with waxed paper. Microwave (High) 1 to 2 minutes or until onion is tender. Stir in mushrooms; season to taste and recover. Microwave (High) 1½ to 2½ minutes or until mushrooms are tender. Serve warm over Hamburger Steaks, baked potatoes or vegetables. Makes about 2 cups.

Each ½ cup serving: 23 calories, 2g protein, 0 fat, 4g carbohydrate, 17mg sodium, 0 cholesterol.

Recipes in this column are tested in 600- and 650-watt microwave ovens. With an oven of different wattage output, timings may need slight adjustment.

Joyce Battcher is an independent home economist microwave specialist. She is author of "Microwave Family Favorites" and editor of "A Batch of Ideas" newsletter.



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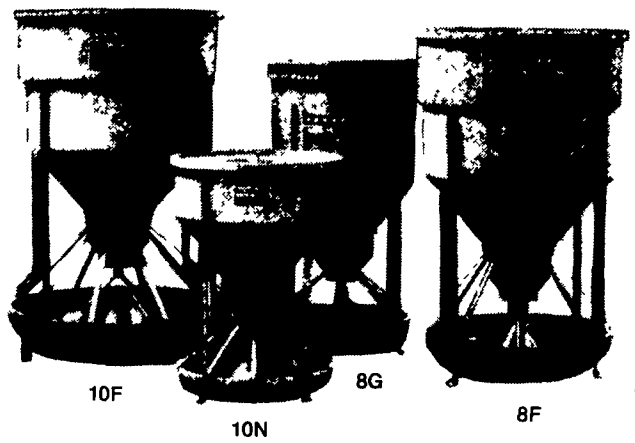

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10N	NURSERY	10	24"	34"	15# to	60#	175	3.5	40	38#
8PN	PRE-NURSERY	8	17"	26"	5# to	30#	60	1.1	24	12#

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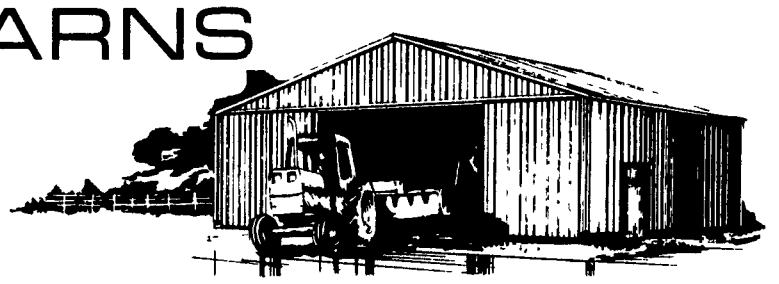

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- Provides Added Insulation
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CLEARANCE SPECIAL **$8.95**

per 4"x6'7" sheet
6 Smooth Stock Colors
BROWN-GRAY-WHITE-GREEN-TAN-RED

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2"x4"	1.68	2.20	2.64	3.08	3.73	4.26	4.73
2"x6"	2.56	3.20	3.84	4.48	5.12	6.21	6.90
2"x8"	3.63	4.53	5.44	6.35	7.25	8.76	9.73
2"x10"	5.80	7.25	8.70	10.15	11.60	13.35	14.83
2"x12"	7.84	9.80	11.76	13.72	15.68	18.36	20.40

FIBERGLAS PINK FIBERGLAS INSULATION

•Do-it-yourself •Save on fuel bills •Kraft faced rolls

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21¢ Sq. Ft.
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Higher R values mean greater insulating power Ask us for the fact sheet for R values

R-Value 25
•The most powerful roll of thermal protection you can buy
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8"x15" (22.50 Sq. Ft.) **$6.29**
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•1/2" thick 4x8 Sheets
•Ideal to paint, wallpaper or panel on

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½ "x4'x8' (*R-3.6) **$6.99**
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Ask us for the fact sheet on R-values

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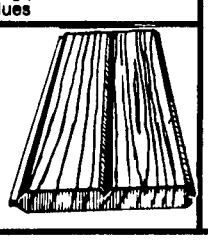
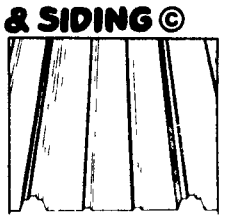


METAL ROOFING & SIDING©

STRONG RIB ALUMINUM	GRAND RIB 3 PAINTED STEEL 29 Gauge
$41.00 100 SQ FT 36" NET COVERAGE	**$49.50** 100 SQ. FT 36" NET COVERAGE
GRAND RIB 3 GALVANIZED 29 GAUGE	**1¼" CORRUGATED GALVANIZED 29 GAUGE**
$37.75 100 SQ FT 36" NET COVERAGE	**$41.25** 100 SQ Ft



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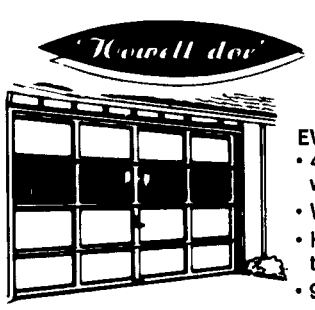

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From EVERITE DOOR CO.
- 4 panel - 4 section with windows
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- Hardware and track included
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•5 2 mm Nominal •Overlay & Btr
•Interior Projects •Sanded

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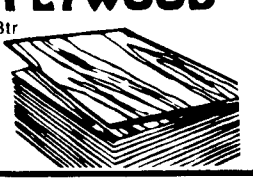

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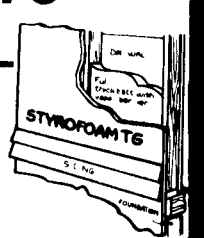

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FRI. 7:30-8:00
SAT. 7:30 to 4:00
6 DAYS A WEEK
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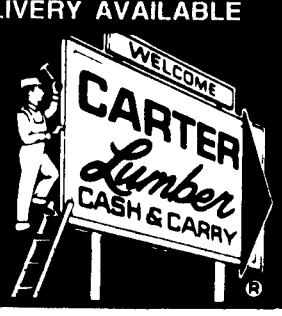

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CARTER 1989

York Auction Business Opens Doors

BY JOYCE BUPP
York Co. Correspondent

NEW PARK (York) — A new auction business opened its doors here on January 2, to serve the farming community of York County and the surrounding areas.

Isennock Auction Services, Inc., has purchased the livestock handling and auction ring facilities of the former York County Livestock Sales Ltd. The firm is continuing the tradition of Monday evening sales, which has earmarked the auction's operations for many years.

Isennock Auction Services, Inc., is owned by Robert and Cindy Isennock, who make their home in the Madonna area of White Hall, Maryland. Their firm offers a variety of auctioneering services, and has become known for its work with antiques, especially the popular Hummel collectibles.

"Bob has been an auctioneer for 25 years," says his wife Cindy, "and has been around livestock and farmers most of his life."

Isennock, the youngest of 11 children, grew up in a dairying family; and his parents have operated two dairy farms in Maryland.

Cindy, a licensed Maryland real estate broker, recently became an auctioneer as well. The couple is working through the details of becoming licensed auctioneers in Pennsylvania. A third auctioneer on their staff is already Pennsylvania-licensed and handling the Monday night sales.

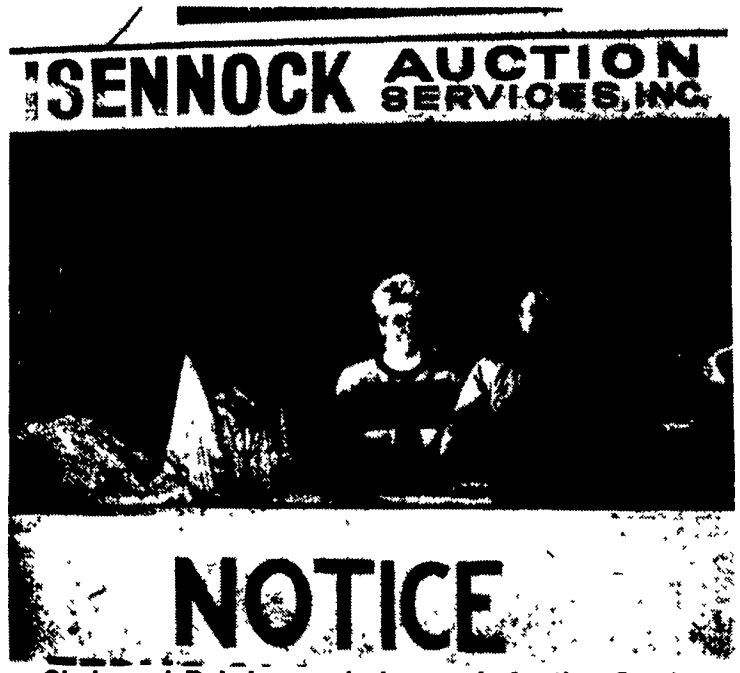
"This was an opportunity that came along," Cindy says of the acquisition of the New Park livestock sales business. "The community needs this auction, and we're here to serve the people of the area and to try to do a good job for them. And, our Maryland office is just ten miles away, so we can keep close touch on this."

"We want to see farmers get a 'fair shake' at the market," she emphasizes.

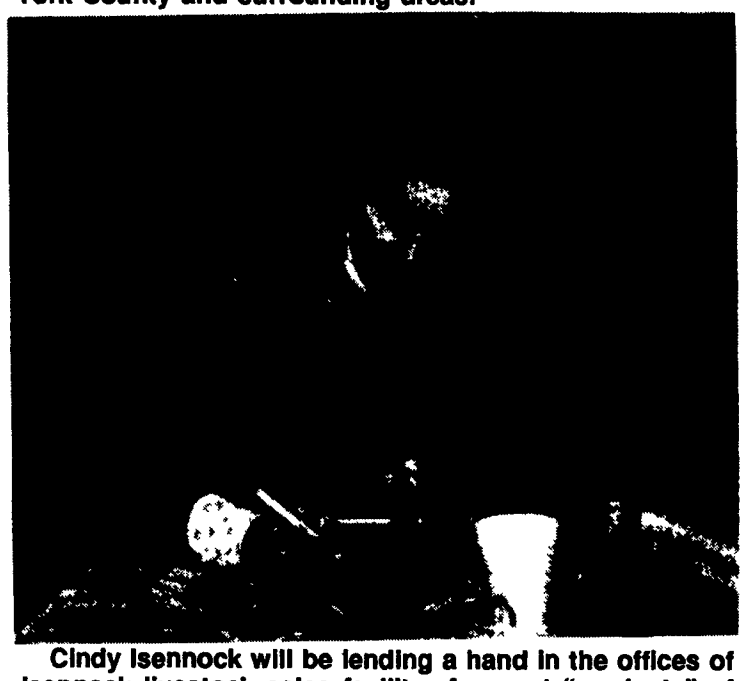
Future plans for the New Park facility include a monthly horse sale and possible Saturday auctions of such commodities as hay, straw and wood. The addition of an auction hall for household and small items sales is another possible consideration at some future time.

Monday sales through the livestock ring begin at 7 p.m., with the facility opening at 9 a.m. to receive consignments. Hog buying business opens at 6 a.m. Hauling can be arranged through the auction.

Interested sellers and buyers may contact Isennock Auction Services, Inc., by calling the Pennsylvania office at 717-993-2564, or the Maryland office at 301-557-8052.



Cindy and Bob Isennock, Isennock Auction Services, Inc., look forward to offering their services and a "fair shake" at the marketplace to the farming community in York County and surrounding areas.



Cindy Isennock will be lending a hand in the offices of Isennock livestock sales facility. A recent "graduate" of auctioneering school, she expects to move behind the gavel after licensing procedures are completed.

With a dairy farm background and 25 years of auctioneering experience, Bob Isennock is as adapt at fielding auction bids as he is tagging livestock.

Pedal Power

Show your pedal power on Sunday, January 8, at the Children's Pedal Tractor Pull held during the 73rd annual Pennsylvania Farm Show. Competition is open to children ages three to eight.

Pedal tractor pulling is similar to real tractor pulling except children on pedal tractors are the pullers. Pedal tractors will be furnished for participants. A special sled that has a moving weight box is attached. A full pull is about 60 feet.

Three classes will be offered: 3 to 4 year-olds, 5 to 6 year-old, and 7 to 8 year-olds.

Sign up begins at 1:30 p.m. in the large arena. Only 20 children will be allowed to enter each class.

Parents wishing more information or who want to sign up their children before January 8, should contact Christian Herr at the Pennsylvania Department of Agriculture (717) 783-8460.

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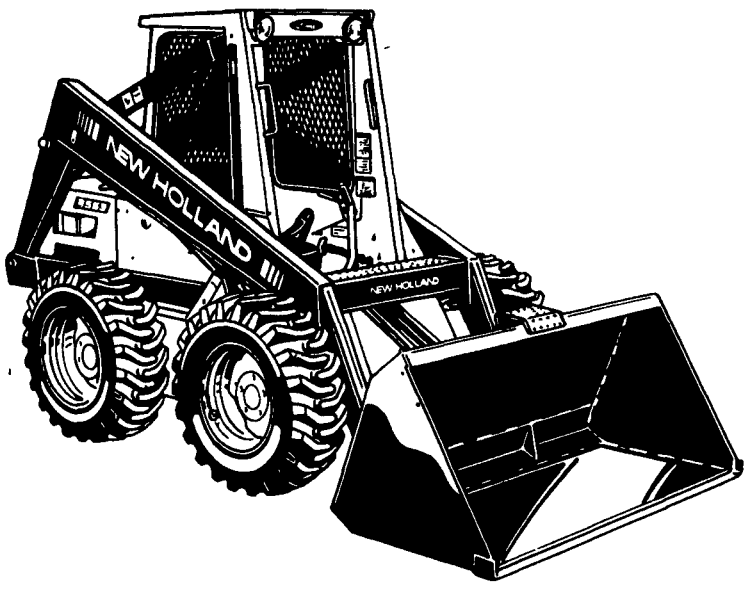
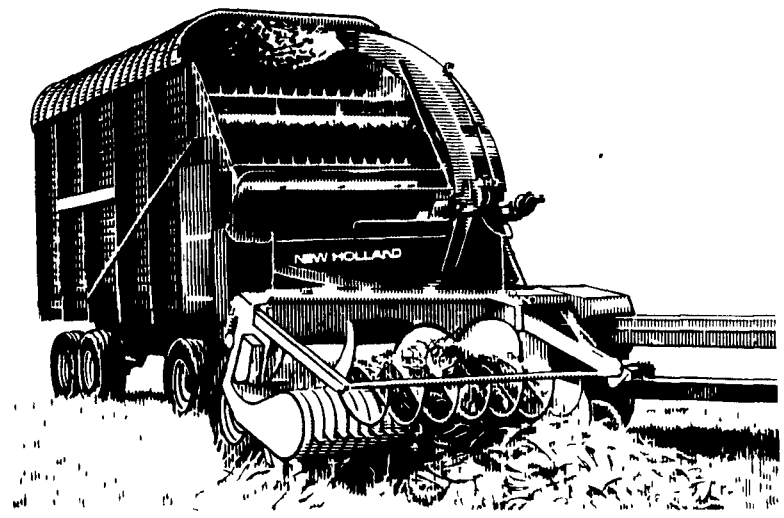


"SUPER BOOM LOADERS"
REACH... SPEED.. STABILITY



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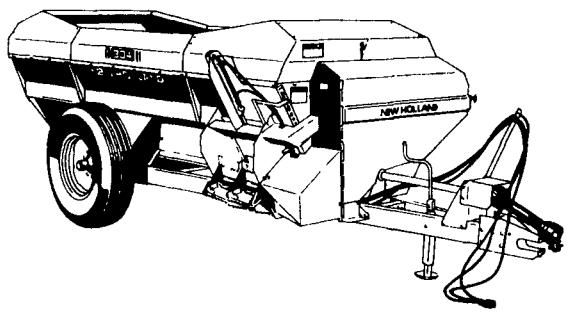

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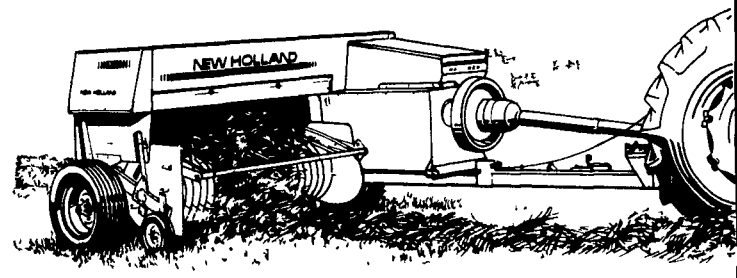
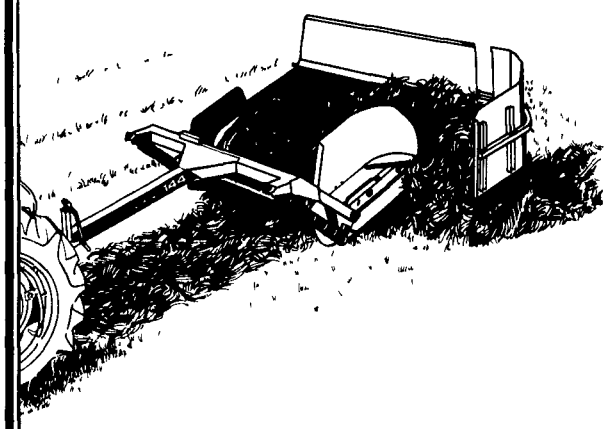
NOW WITH 10-YEAR
TANK WARRANTY.

Tractor that pulls as hard as it pushes

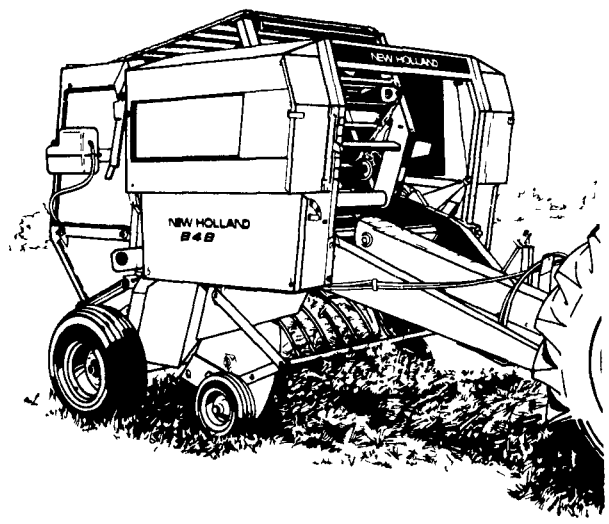
276 BI-DIRECTIONAL



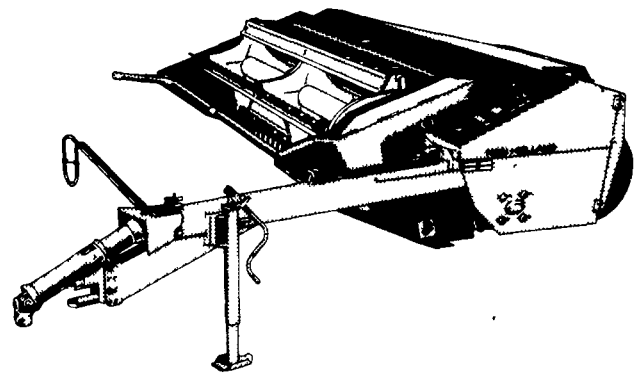
316 BALER WITH HYD. DRIVE THROWER
RELIABILITY...GETS THE JOB DONE FAST.



144 WINDROW INVERTER...
TURNS WINDROWS "BOTTOMS UP"



"BALE COMMAND" MAKES
ROUND BALING EASIER



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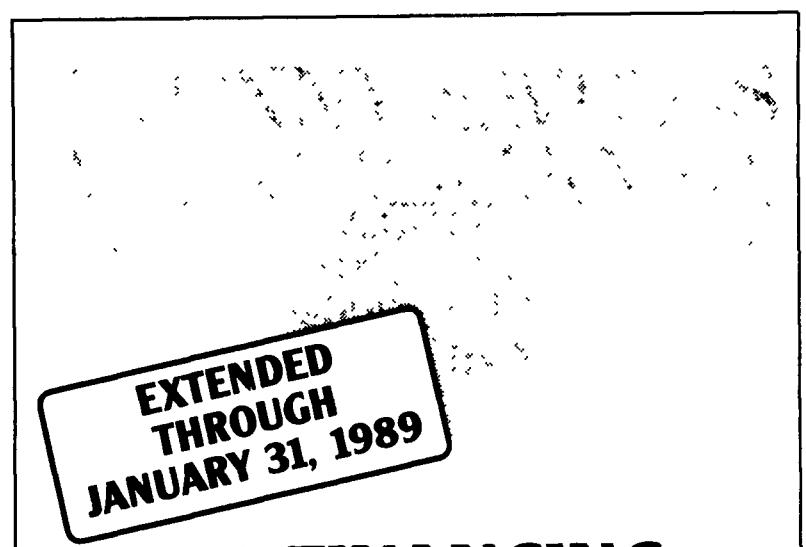

EXTENDED THROUGH JANUARY 31, 1989

0% FINANCING: WE JUST CAN'T STOP OURSELVES.

Ford
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STOP AT THE SHOW... OR SEE YOUR NEAREST DEALER FOR COMPLETE JANUARY PROGRAM DETAILS

Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

HINTS ON TAKING HOUSEHOLD INVENTORY

Having an inventory of your household and personal belongings is important in the event of loss through fire, flood, windstorm, tornado damage or theft. Such an inventory is not ironclad evidence, but it can help convince a skeptical insurance adjustor.

When making a claim, the burden of proof is on you, the homeowner. If you have no inventory, no receipts or no evidence of ownership, then the adjustor must rely on his own judgement. He sizes up a person by what he earns, the neighborhood he lives in, money in the bank and style of living. If you don't fit in the typical category, you could be in for a difficult time in having your losses replaced.

There are other advantages to having a household inventory. For example, an item by item inventory lets you know if you are adequately insured. Most people are not. If you suffer an uninsured loss, which is tax deductible, an inventory puts you in a better position to prove a loss. And an inventory makes you aware of items you should insure separately.

If you should suffer a loss, the adjustor will calculate the present value of an item by figuring what it would cost to replace it, including sales tax, with an identical brand new item. Then he allows for depreciation. A short cut for you is to note the date of purchase and the original cost. Other ways to simplify the process of making a household inventory are:

* Use your camera or video recorder to record what you own. Write prices and dates of purchases on back of the photos or include this list with your video tape.
* Go through each room recording on a tape recorder what you see. Describe the items. Don't forget to put your tape recorder on your list, too.
* Make a note of the serial numbers on appliances and include brand names.
* Keep your inventory up to date by adding major purchases to your list.
* Keep lists, photos, and tapes somewhere other than at home. One good place is your safe deposit box.

HOW TO CLEAN WOOD SURFACES

It soon will be time to take down the holiday decorations and give our homes a thorough cleaning.

Remember you can keep most wood furnishings, antique as well as modern, in good, lustrous condition with regular dusting and polishing.

Sometimes wood surfaces become drab and lose all color and animation. When this happens to an older piece of furniture as it becomes clogged with dirt and grime, you need to clean it. Many reputable cleaning products are available in hardware or grocery stores to help you do the job.

Or you can take liquid wax or oil polish -- the kind used to originally finish the piece -- dip into it with a coarse cloth or pad of finest steel wool and rub wood gently along the grain. Wipe off residue before it dries. If wax has built up or turned white in carved areas, use an old toothbrush to remove it. Then wipe dry.

Soap and water cleaning may sound unwise but its' an alternative method for cleaning wood surfaces. It has the advantage of taking off sticky stains and murky, ingrained soil. To do this, combine mild soap and warm water and beat to a thick, billowy suds. Dip a clean sponge into the suds and wash a small area at a time. Rinse with a fresh sponge and clean water. Dry immediately and polish.

Remember that no job will be a success unless you read labels, follow directions, and use clean cloths for all polishing jobs. One secret of success when waxing wood surfaces is to apply a thin coat of wax. To do this put some wax on a soft cloth which you've folded in several layers.

Remember, cleaning aids and vacuum cleaner attachments are a big help when cleaning your home furnishings, but there is no shortcut that takes the place of regular dusting.

Day Care In Your Home

WEST CHESTER (Chester) — Learn how to run a successful day care business in your home. A four-session seminar for persons interested in starting or becoming more efficient in running a child care business at home is being offered by the Chester County and the Delaware County Cooperative Extension.

The topics in Chester County include Nutrition and the Child, Safety and Health, Setting Up the Business, and Developmental Activities. The cost is $20 for the four-session seminar in Chester County. Classes will be held at the Extension office, 235 W. Market Street, West Chester, on Tuesdays, March 21 and 28 and April 4 and 11, from 7:00-9:00 p.m. The registration deadline is March 17, 1989.

In Delaware County, the four-sessions' topics include: Choosing Toys, Planning and Organizing a Day, Discipline and Guidance, and Creativity. The cost is $20 for the four-session seminar in Delaware County. Classes will be held at the Extension office, 1521 N. Providence Road, Media, on Tuesdays, April 18 and 25 and May 2 and 9, from 7:00-9:00 p.m. The registration deadline is April 14, 1989.

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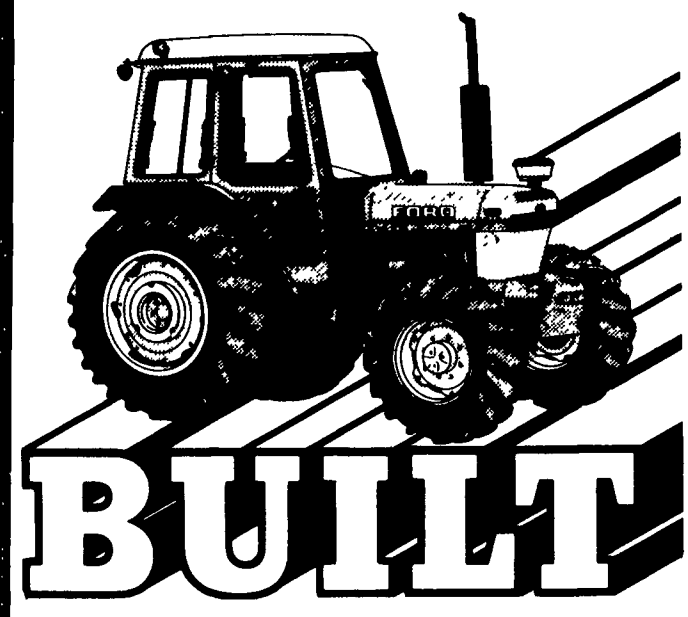

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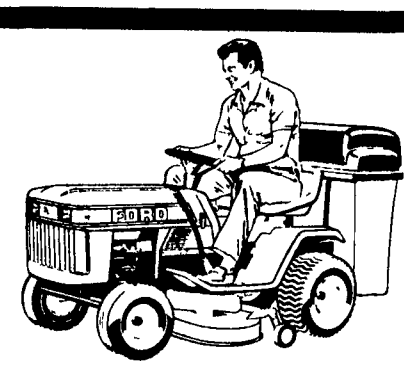

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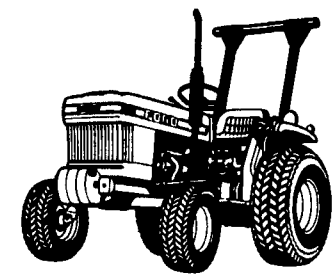

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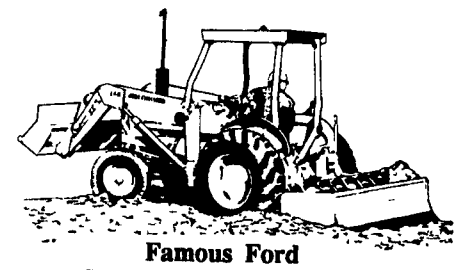

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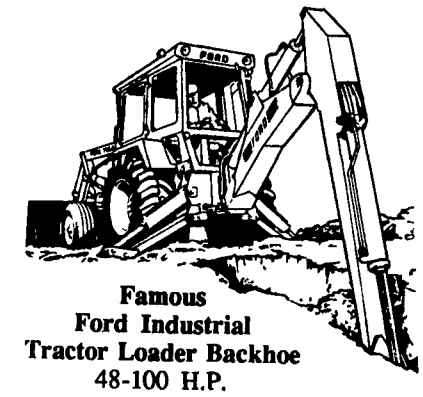

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Peppy 81-Year-Old Is A Woman On The Move

BY LOU ANN GOOD

LEBANON — Peppy 81-year-old Ada Kneasel rises daily at 5:30 a.m. First thing she does is pull on her new sneakers. "I bought my first pair last year," the octogenarian brags.

Every morning she uses those sneakers to walk her daily mile. She explained, "I walk up and down my walk 20 times—that makes a mile."

After breakfast, she spends 10 hours a day stitching Ada's Creations at her sewing machine.

Ada's Creations are usually a combination of several patterns and her own creativity. She said, "I just see it in my mind and I know exactly how it's going to look. Some people have problems combining patterns because they can't picture how everything is going to look. I have insight into what looks right."

Ada takes on any sewing project that others request. She estimates that one half her sewing time is devoted to alterations and the other half to custom made clothing. She finds the most satisfaction in making bridal gowns, especially the one she's entering in state farm show competition this week.

Ada made the gown for her granddaughter. The gown features a long train trimmed with lace and 64 tiny covered buttons.

It's designed from a combination of patterns and adjusted for a perfect fit.

This is the first wedding gown she is entering in competition, but she has collected an impressive amount of ribbons garnered from entering coats and dresses.

The last time Ada entered items in the state farm show was in 1964 when she received the two top ribbons for both the eastern and western state competition. Since then, she said, "I just kept sewing and didn't bother to take anything up."

But this year her daughter-in-law said, "I'm going to enter this gown in the farm show for you."

Ada said, "People say, "It doesn't look homemade.'" She counters, "Well, that's what our teachers always told us: "Get away from the homemade look.'"

Her start in sewing began many years ago when she took classes through the Lebanon extension service.

She said, "Years ago, when women were interested in sewing something, we met in each other's homes and someone came from the extension office to teach us." Eventually Ada gained so much skill, the extension ask her to teach the classes.

"I've taught everything in sewing from making coats to draperies," Ada said.

Many people who can sew, do not know how to adjust patterns for a perfect fit. Ada does. She asked, "Did you know people aren't even on both sides? I can tell just looking at people if their one shoulder is further down than the other one."

To remind her to make those adjustments on each article of clothing she makes, Ada keeps a record of her clients' measurements. She doesn't bother to check the records of those she makes on a regular basis. She said, "I know their measurements by heart so I know what adjustments to make without looking."

Ada purchases her material in south Philadelphia. "If you want good quality, that's where you should go," she said.

She learns a lot by examining how ready made clothing is designed.

"I look a lot, but you don't see me wearing store-bought clothing," she boasted. "I make my own coats and suits. I make bound button holes by the Bishop method. Few people can do that anymore, but I think they look best."

For those who complain that putting in zippers or making bound buttonholes is too difficult, Ada wastes no sympathy. "I just made up my mind, I was going to do it and I did. I practiced until they (buttonholes) were no trouble at all. That's what other people need to do—practice."

Ada advises potential seamtresses, "Have patience. Don't throw it (the sewing project) in the corner if you make a mistake. I've been sewing all these years, and I rip out a lot even yet. That goes with sewing."

Women, Ada believes, should learn to sew now more than ever. She said, "Ready made clothing is expensive to buy and imports don't fit right because they aren't sized for American women."

For her personal preference, Ada said, "I like the young styles.

"See this blousom waistline," she said as she pointed to the silk dress she was wearing,. I wasn't sure how I'd like it until I tried it, but it turned out just fine."

She has two sewing machines set up side by side because, "you know they break down sometimes." She has no time to waste on breakdowns.

After 10 hours of sewing, Ada spends her evenings doing hand sewing and reading. "I got good eyes," she said, "and I got good bones—I drank a lot of milk when I was little. I always ate good and worked hard."

"I'm always going, never sitting idle," Ada admits. People often ask her, "Are you still sewing?"

Ada answers, "I must do something."

Even though Ada devotes most of her time to sewing, she takes a break now and then. Even then, she's a woman on the move.

She took her first airplane flight in 1986 to New Mexico at age 79. Since then she's traveled to California, Florida, Missouri, and now she's planning a trip this year to Hawaii and to Germany.

She took that first flight to a National Grange meeting. "I've been a member for 64 years," she said. She has a golden sheath pin that represents 50 years. And she's a charter member of the Lebanon Farm Women Society 12. That makes 43 years. She recounts that she has kept everyone of the Farm Women program books. She served as president for two successive terms and as secretary.

Ada doesn't spend much time recounting stories from the past. She has too many current adventures such as the time a hot air balloon landed in her field. She recalls, "We (she and her daughter-in-law) went out to see it and jumped on like two kids and took a ride. Oh, that was fun."

Ada still lives on the farm she and her now deceased husband purchased at the beginning of their marriage in 1933. "The place was really delapidated when we bought it," said Ada. "We fixed it up and put all new boards on barn. We kept fixing up the house until it was replastered and we put in new flooring and new windows."

Ada said, "Everyone admires my place and I like it too. It's been my home all these years and I don't want to leave."

Her three sons, who live nearby, now farm the land together. And on them and on her grandchildren, Ada depends on transportation because she explained, "I don't drive — that's one thing I don't do. But my sons and their children take me everywhere, so why should I drive?"

She said, "I've never went to high school, but I learned more out of school than in it. You can learn a lot if you keep doing and thinking."

Ada expects to keep learning new things. Her family has a history of longevity. Her mother lived to be 89 and her father 98, "with no trouble at all."

Great-Grandma Ada Kneasley finds plenty of reasons to sew for her 10 grandchildren and three great grandchildren. Back row from left: Tammy Beard, Anna Kneasel, and Tina Kneasel. Sitting from left, Ada holding great granddaughter Chelsea and Alvena Kneasley.

Unless she is traveling, 81-year-old Ada spends 10 hours daily at the sewing machine.

Making sure the wedding gown is in tiptop shape for state farm show competition, Ada examines each tiny covered button of the 65 stitched on it.

International Youth Exchange

Arleen L. Miller, 21, of Richboro has recently returned from her five-month trip to Paraguay, South America as the 1988 Pennsylvania International 4-H Youth Exchange (IFYE) representative. Miller lived with 10 families throughout the country sharing in their family life in order to grasp an understanding of the Paraguayan culture.

Miller was a 4-H member in Bucks County for 12 years. She participated in the Bucks County 4-H Seeing Eye Puppy Club and the Richboro 4-H Club completing projects in public speaking, leadership, health, crafts, and citizenship. Miller's prinicipal projects was the raising of Seeing Eye Puppies of which she raised six. She served as secretary, vice president, and president in the Puppy Club and in the Bucks County 4-H County Council. Miller was awarded the William Danforth "I Dare You" award for 1985, Teen Leader awards, the Bucks County Chamber of Commerce Youth Quality award, and was the 1985 Dog Care and Training winner to National 4-H Congress in Chicago, Illinois.

The IFYE trip to Paraguay was a step into the international forum of 4-H for Miller.

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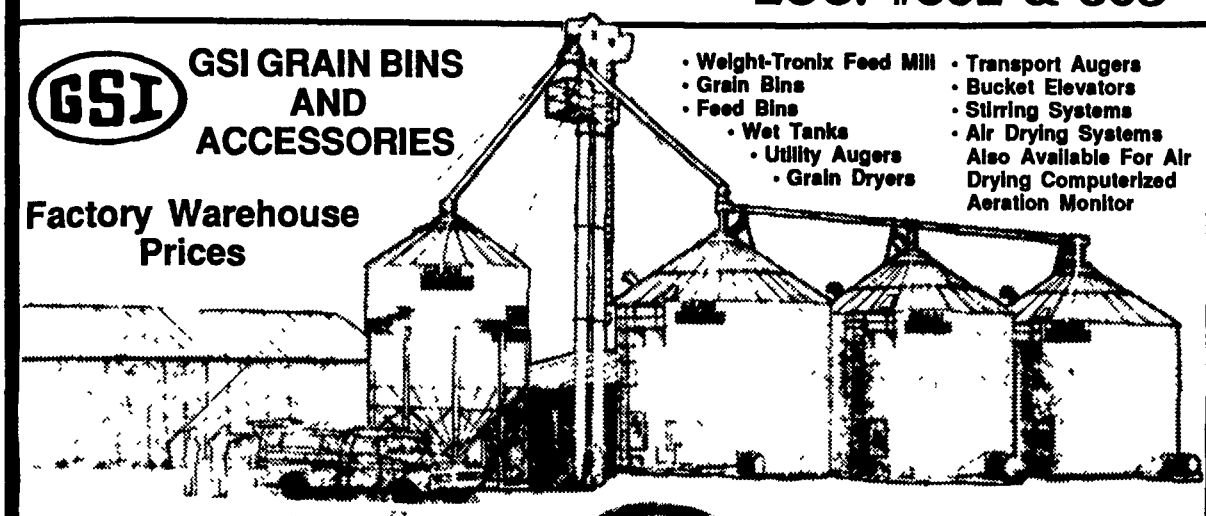

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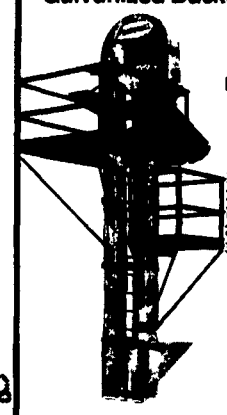

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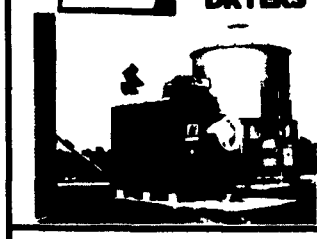

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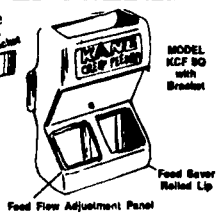

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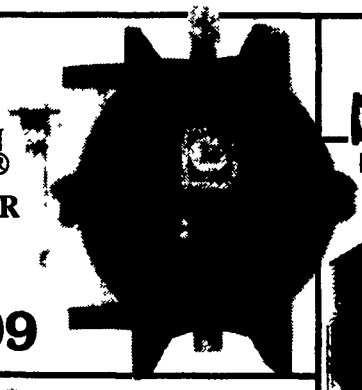

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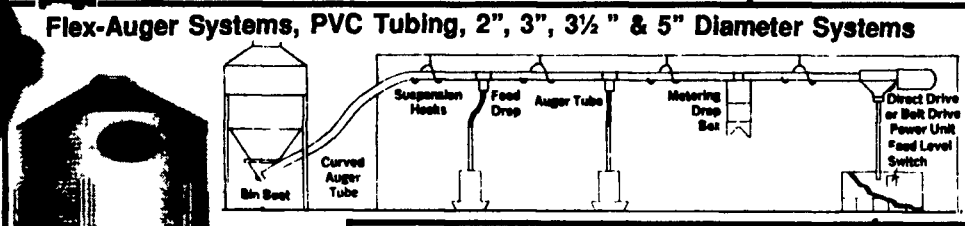

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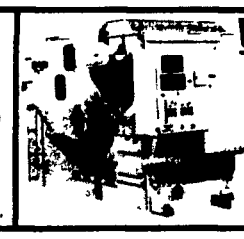

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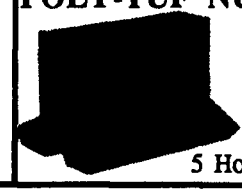

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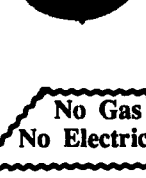

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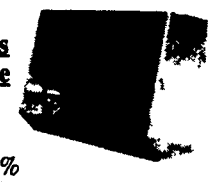

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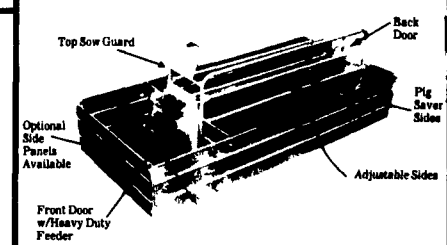

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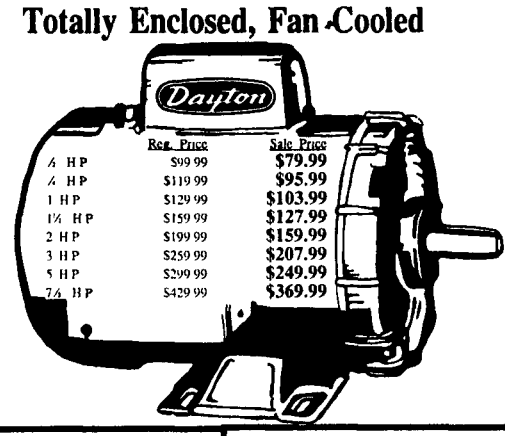

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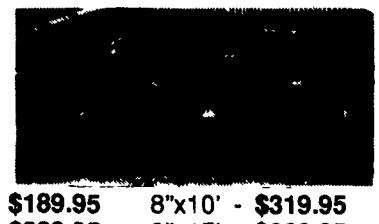

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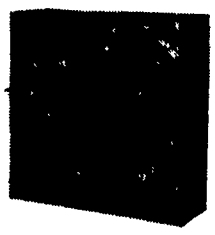

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Ida's Notebook

A New Year is starting and no one can tell what it will bring. The best we can do is hope that we will continue to have good health and an ample harvest in 1989.

Our house is quiet at the moment. All that remains to remind me of the holidays are empty stockings at the walk-in fireplace and wrapping paper and ribbons here and there. Some boxes of puzzles that the grandchildren used are still pushed under chairs and sofas. The last of our six children left for Georgia this morning with their pretty baby. For the last five days we've lived in a state of confusion -- five families in one house.

In order to seat 17 people we pushed two tables together in our big kitchen. Some babies were too small to eat with us. It is good that I had two freezers full of meat, vegetables and fruit. If they didn't get enough to eat it wasn't my fault. My girls helped to cook for the crowd and Jeffrey built a hay rack in the barn for his father.

David, our oldest grandchild, who flew here from Seattle, really likes the farm. I'm amazed that an eight-year-old city boy adapts so well to early morning milkings and calves that suck your clothes. He had an opportunity to watch a hoof trimming operation while he was here and his mother tells me that he took an aerial phot of our farm to his school and declared it was his favorite place.

We entertained 59 at an open house the day before Christmas. It was a pleasure to see cousins, uncles and aunts from everywhere. One problem with such a gathering is that there is no time for in-depth conversations. Those can only take place on a one to one basis with quiet surroundings. That is something that we should plan for in 1989.

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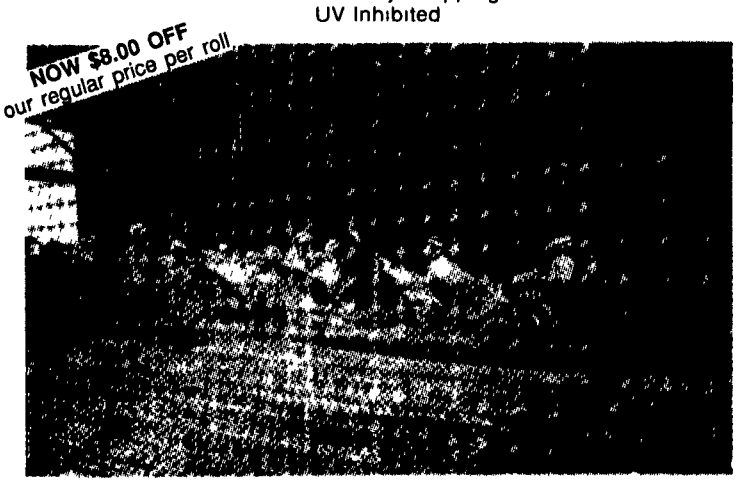

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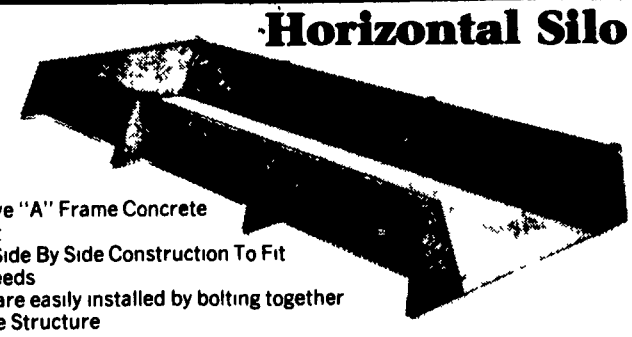

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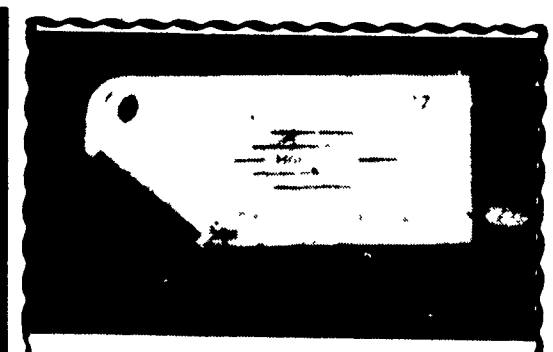

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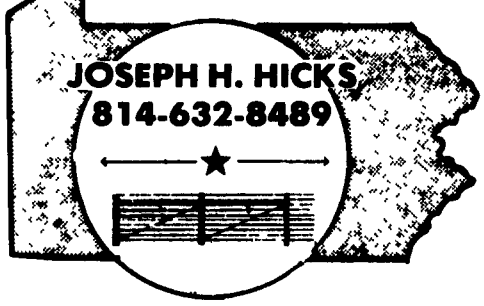

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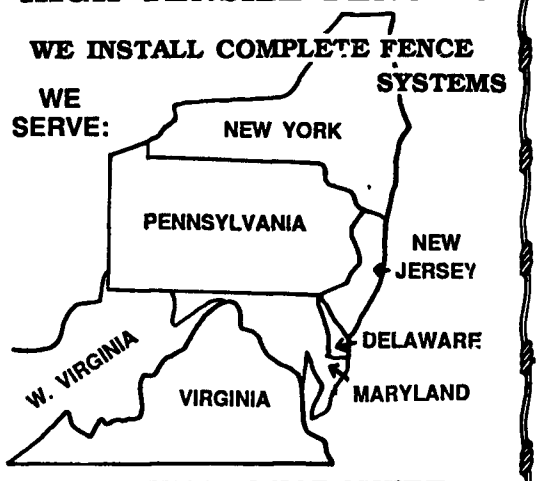

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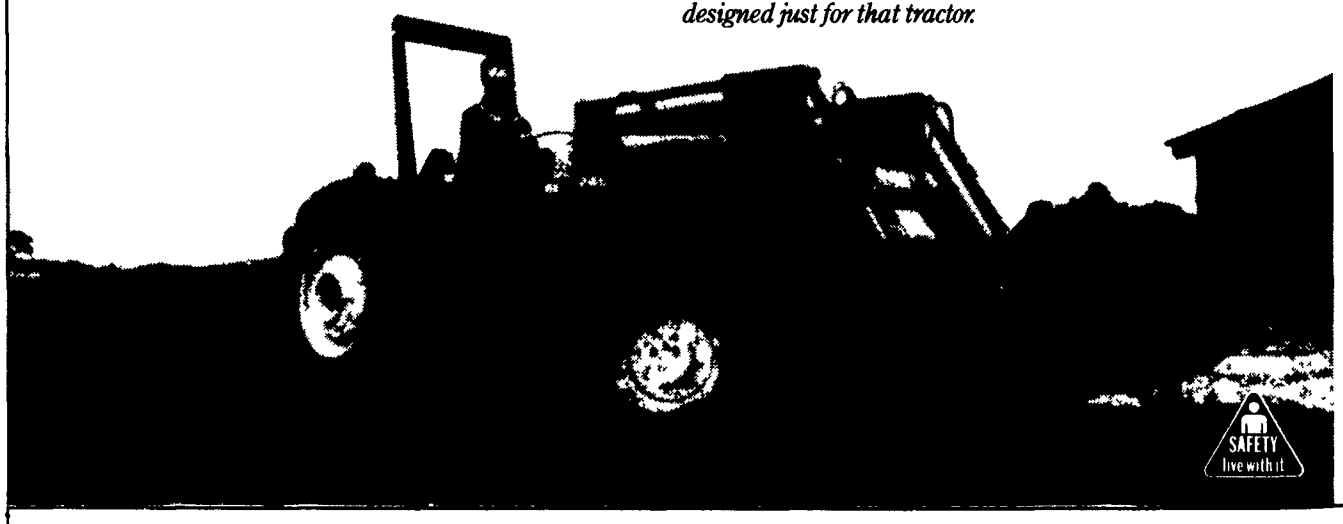

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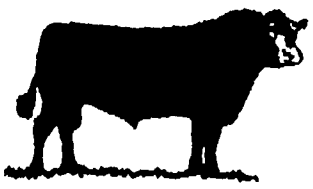
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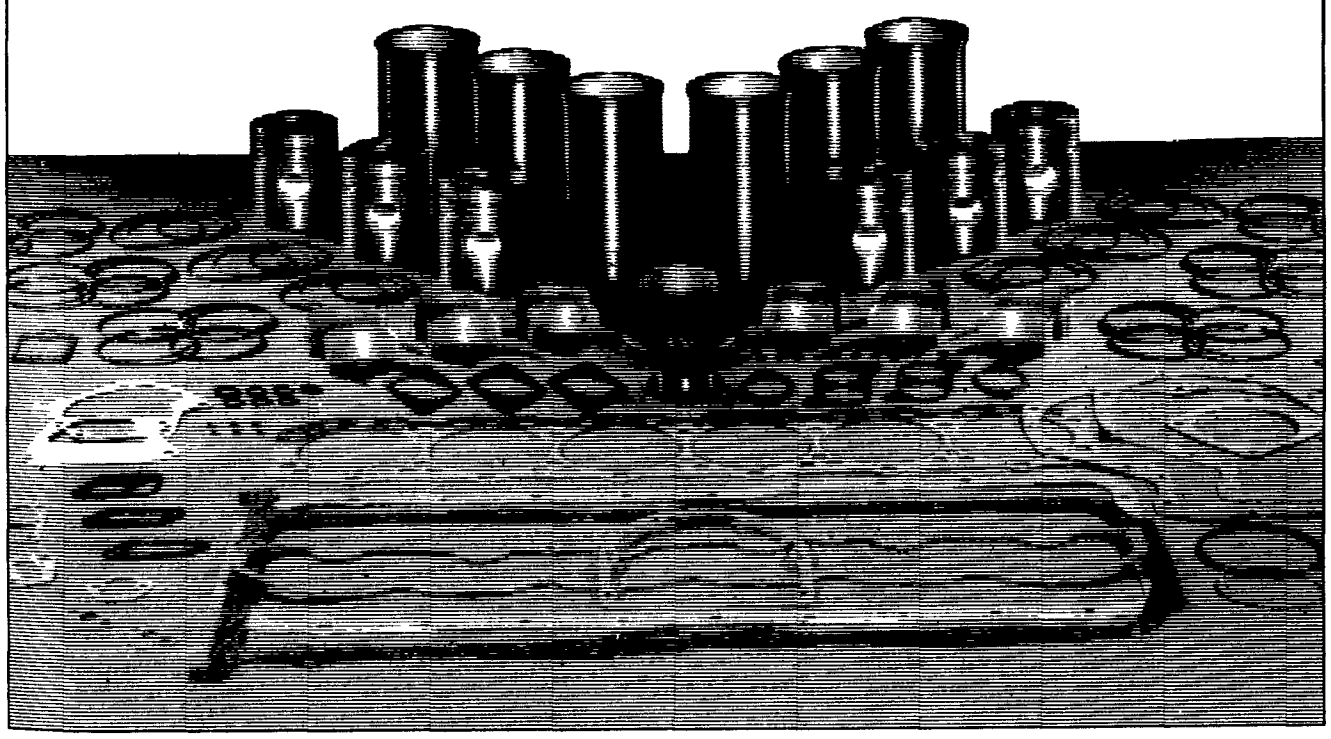

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M.S. YEARSLEY & SONS
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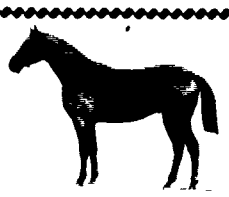
9 HORSES & MULES

Standardbred carriage horse, 16.2 hands, big sound horse with lots of git. Christ Reed, call after 6pm, 717-786-8279.

NOTICE
Registered Belgian Stud Service, Red Sorrel, light mane & tail. Blood typed.
David Beiler
229 N. Hollander Rd.
Gordonville, PA 17529

NOTICE

We are getting saddlebred horses from Kentucky, approx. every 2 weeks.
Jacob J. Herschberger
1148 Goshen Mill Rd.
Peach Bottom, PA 17563

ATTENTION
Pair of registered Belgian mares, mother & daughter, well mated, 8 yr. old & 3 yr. old, 18 hand horses, good bloodlines. Both will be broke by sale time. Sired by Phinneys Convincer & Orndorff's Congolaise Charlie. Both bred to Lewis Biddles, Oak Hall Farm his champion stallion Seneca Valley Jeff. Register #43208. Will be sold at the PA Draft Horse & Mule Sale, Feb. 16, 1989. Also will sell double set of fancy pulling & show harness.
Edward Fisher
RD 3, Jersey Shore, PA 17740
717-398-0477
PLEASE CLIP & SAVE!

9 HORSES & MULES

2 Belgians: Stallion, 18h., sorrel w/beige mane & tail, $1750/neg.; Mare, 17h., bred, roan, $1000/neg. 201-454-3333.

3 yr. old Belgian mare, broke, eligible to register. Also 2 yr. old Belgian gelding and 2 stud colts. Steven Fisher, RD1, Box 114, Lincoln University, Pa 19352.

Coming 4 yr. old Bay, Molly mule, stands 16.2 hands, broke to work, home raised. Herbert Frantz, Franklin Co. 717-762-4974

For Sale: One pair of Sorrel Mules, 4 years old, ready for work; 1 Molly mule, good broke, 5 years old. 1084 Noble Rd., Christiana, PA 17509.

Informal 2-wheel gig and harness for Cob size horse, both new & used only few times, $1200. Can be sold seperately. Virginia, 703-759-4315.

Miniature donkey talk. A delightful publication! Everything you ever wanted to know about miniature horses and miniature donkeys. Nationwide coverage published by EAST COASTS LARGEST Breeder of registered miniature donkeys, 12 issues $15. 1338 Hughes Shop Road, Westminster, MD. 21157.

Ponies for sale. (717)768-8080.

Pony gelding, 12 hands, broke to ride and drive. (717)733-9233.

Proven standarebred pacing stud, good breeder, 15 yrs. old $500. 301-898-7426.

Standard bred horse for sale. Daniel King, 215A N. Star Rd., Ronks, PA 17572.

Registered Angora goats: small nurtured herd. Spring Hollow Farm, 215-285-2066.

Romney, Romney/Cross rams. White, colored. Small nurtured flock. Spring Hollow Farm, 215-285-2066.

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You will like not having to shear, dock or crouch. They do well in all climates, have multiple births, easy lambers, good mothers, have long breeding season, docile, and always clean.

Send for information and photos.

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R.D. #2 Box 28
Swedesboro, NJ 08085
Phone 609-467-1165

11 SWINE

FOR SALE-Yorkshire Service Boars. Elwood E. Houser, 2150 Quentin Rd., Lebanon, PA 17042. 717-272-5798 or 273-2921.

For Sale: Hampshire & Berkshire Boars, and Open Gilts. Will Deliver. Todd & Terry Bennecoff. 215-285-6582

Will be consigning several Hampshire and Yorkshire bred gilts at the 1989 Farm Show. Also service age boars and bred gilts due to farrow soon. Delivery available, validated herd.

John Strawbridge
717-246-2732

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Three Genetic Lines to choose from:
B-17 Blackline Boar
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All boars guaranteed to breed!

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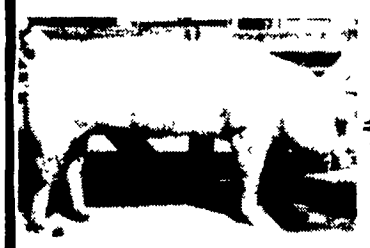
18 head Registered Polypays, 18 head Montadales, some registered. All bred for March & April. Also Registered Polypay Rams. 301-582-4068

Dorset Ewe Lambs, 25 head, fall born. David Eckman, Somerset. 814-798-3881

20 Suffolk ewes
22 Dorset ewes
2 Dorset rams
1 Suffolk ram
(717) 764-4288

ANNUAL WINTER SWINE SALE -- OUR 94th



1987 Penna. Test Station Winner Index 184: Feed Efficiency 2.3: Gain 2.7#/day Sold Aug. 19 to N.J. Correctional Institution, Trenton, NJ, for a new record price of $1800.

RPM FARMS

1987 N.Y. Test Station Winner Index 155: Feed Efficiency 2.2: Daily Gain 2.42#/day. Sold Sept. 19 to Shur-Gain Farm, Maple, Ont. for a new record price of $1175.

Planned Genetics at RPM Farms produced these 2 test station winners

Friday, January 20, 1989 1 pm -
At the farm, Beavertown, PA
200 Head • 60 Bred Gilts
• 40 Service Boars • 100 Open Gilts

The best in large Whites from England, Ireland, and Scotland along with our York/Landrace crossbreds. Production-tested, certified meat-tested, and champion show winners.

WANT BETTER BIG PROFITS?

Buy The Big Of Tomorrow At Our Place Today!

RPM FARMS **Genetics**
Won Again in 1988

Another first for RPM Farms
2.1 Feed Conversion

A New All-Time Low Feed Efficiency At PA Boar Test Station Sired by PARAMOUNT

Our 2nd Test Pen Sired by DANNY finished with a 2.3 feed conversion.

YES: WE WON TWICE IN 1988. OUR YORKSHIRE PEN OF BOARS WERE LOW IN FEED CONVERSION AT N.Y. BOAR TEST STATION.

When RPM FARM says more lbs. of meat for less lbs. of feed, this is the real proof. ***An all breed test station record.***

If you need more meat for less feed, see our pigs sell Jan. 20.

YES: WE WILL SELL DUROC BOARS WITH TEST FIGURES.

The pride of RPM Farms in 1987, pictured above, both New York and Pennsylvania boar test station winners.

Certified Brucellosis free and Pseudorabies negative test.
Health charts sale day for entry into any state.

Harry Bachman, Annville, PA - Auctioneer

Reno Thomas 717/658-5821
Park Thomas 717/658-6544
Mark Stehr 717/658-7007

R.D. #1, Box 220-Beavertown, PA 17813

13 purebred Yorkshire sows, 2 Landrace sows, , three are registered, 2 Landrace boars, 1 Yorkshire registered boar, most are bred for March. $150/each. Must take all. 717-282-0390

Duroc, Yorkshire, Spotted, Chester White & Landrace Boars, Open Gilts and Bred Gilts. Calvin Lazarus and Sons, 4290 Bridge Street, Whitehall, PA 18052. 215-799-3375 or 3831.

FOR SALE: Nine month old Registered Hampshire Boars and Bred Gilts. Service size. Both Sire and Dam are sired by Artificial Insemination of Swine Genetics Inc. 717-444-3232

For Sale: Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines. Willow Glen Farm, 951 Stively Rd., Strasburg, PA 17579. 717-786-2562.

Good supply crossbred & purebred Open Gilts. All sizes. Delivery available. Arnold Hog Farms. 717-273-5880

Purebred Yorkshire and Chester White boars, open gilts and bred gilts. Pseudorabies and Brucellosis free herd. Delivery available 717-987-3273 or 987-3272.

Service age Hampshire boars, sound pedigrees. Tom Linthicum, Boyds, MD, evenings (301)972-0154

Yorkshire boar approx. 300 lbs. gray spotted $125 Lanc. Co. 717-354-6712.

HARPER'S VALLEY FARM

Home of the Great White Breed
Purebred Landrace and Duroc
& Crossbreeds
"Hogs do not have to be removed sale day"

Breeding Swine Sale

80 Head Of High Quality Breeding Stock
50 Bred Gilts - 20 Open Gilts - 10 Boars

Saturday, January 21, 1989

1:30 P.M. Day Sale - Delivery Available

"Sale Catalogs Available Upon Request Only"

50 Bred Gilts Pure Landrace, Pure Duroc + Land Duroc Hamp Cross Due Jan., Feb., Mar.
20 Open Gilts Pure Landrace, Pure Duroc + Land Duroc Cross
10 Boars Pure Landrace Pure Duroc + Landrace Duroc Cross Ready For Service

Pseudorabies Free Herd #58, Validated Herd #92. Health Charts on all animals to go anyplace U.S.A. Sale to be held at the farm, rain or shine. Please Check What Your State Requires!

Farm Directions: 20 miles east of Harrisburg, I-81 exit 29E. Go ½ mile south of I-81 on Route 934 or 6 miles north of Annville on Route 934, Harpers, Pa.

"All Bred Gilts Bred To Superior Landrace And Duroc Boars"

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Phone: 717-865-4842

Sale Held Rain or Shine

Enclosed Facilities

AUCTIONEER: Harry H. Bachman AU-000-33-L
Ph. 717-867-1809

Yorkshire Boars & Gilts

Joel Stern
RD 2, Box366
East Berlin, PA 17316
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Boars & Gilts
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Guards
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Bred gilts, open gilts, service age boars. Tamworth swine are fast growing. Have large litters of pigs.
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HIGH DENSITY DURABLE POLYETHYLENE

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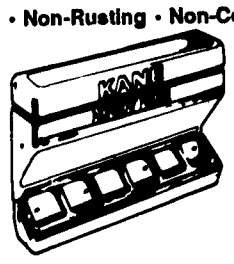

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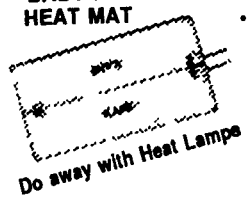
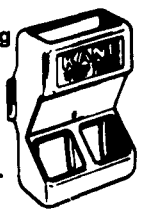
BABY PIG HEAT MAT

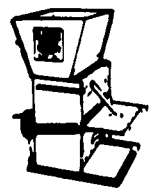


Do away with Heat Lamps

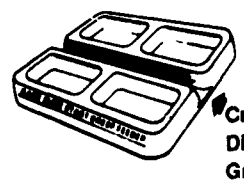
• Mounting Bracket
• Feed Flow Adjustment



GRINDER/MIXER SCALES



SURE START CREEP FEEDER



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Convenient Heavy Duty Handles
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Easy To Fill

• One Piece Construction
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8-Piece Baby Pig Feeder All Can Eat At Once

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BUSY ACRE FARMS

TESTING PERFORMANCE FLASH

SHOW RING PRODUCTION

This has been a RECORD-BREAKING YEAR for us. Penn State Boar Test 1988 produced another record for our herd. We have BROKEN THE RECORD for rate of gain with our Yorkshires, and our Durocs had the SECOND TOP-GAINING pen.

Our entries to the Farm Show will be littermates to these Boars, or the same breeding, bred to (Yorkshires) - The New York State Fair Supreme Champion Boar and (Durocs) - Reserve Champion at KILE 1988.,

Our Chester Whites gave us the Reserve Champion Carcass at KILE. We also had Reserve Champion Carcass with our spotted hog.

Thank you to Leon Arnold for purchasing our top Yorkshire Boar at the Penn State Boar Test 1988.

Also, thank you to all the buyers who have supported us this year!

Some of our 1988 4-H Club Winners:

Carbon County Champion Hog and Champion Pen of 3
Bucks-Montgomery Champion Hog and Champion Pen of 3
Lehigh County Champion Hog
Union County Res. Champion
Susquehanna County Champion Hog
Bradford County Champion Hog

(Breeding Stock & Club Pigs Available At All Times) We Are Also Breeding A.I. Call us about this new blood.

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Your breeding program could make "the difference".

At East Coast Hog Service "Genetics" is our "Only" business.

Terminal & Maternal Sires:
Performance tested for Gain, B.F., L.E., so you know their genetic potential.

Prolific Gilts:
Selected on litter size, confirmation, underlines and growth rate.

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The Compass Farm
DIRECTIONAL HOGS

PA FARM SHOW
Hampshire Bred Gilt Sale
Tuesday, Jan. 10, 1989
10 a.m.
The Compass Farm Will Offer
6 Hampshire Bred Gilts.
The Sire Of These Gilts Is Driver,
The Lima Summer Conference
Class Winner. All Gilts Will Be Bred
To Banker A New Herd Sire At
The Compass Farm.

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ARNOLD'S HOG FARMS

PA FARM SHOW
Bred Gilt Sales - January 9th & 10th Consigning high quality Duroc & Yorkshire Bred Gilts Sired by & carrying service to top test station boars. These Gilts are due to farrow from Jan. 19th thru March 8th. FREE daily delivery to Farm Show Building.

BOARS FOR SALE
(6) Duroc Immediate Service
(23) Duroc, Yorkshire & Landrace January & February Service
FREE Delivery Lancaster Co. Most Mondays.

Free Delivery to Rochester, NY January 28th
59th Hog Sale, April 15, 1989
Bred Gilts, Boars, Open Gilts, Feeder Pigs

Yorkshires-Landrace
Leon L. Arnold
R.D. 7, Box 705
Lebanon,
PA, 17042
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Catalogs Available
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Lawrence Arnold
R.D. 1, Box 309
Womelsdorf,
PA 19567
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HAMPSHIRES • POLANDS • BERKSHIRES

Midwest Star x Dow Jones

We would like to thank the buyers at the Keystone Classic 1988
- Donald Lake; Big Cove Tannery, Pa.
  Hampshire Gilt (pictured above) For $725
- William Hilty, Mt. Pleasant, Pa.
  Hampshire Boar for $500
- Tom Frantz, Seven Valleys, Pa.
  Hampshire Gilt for $275

PA FARM SHOW
We are consigning 5 Hampshire Bred Gilts, 3 of which are litter mates to the picture above, one was champion at New York State Fair 1988. Hampshire Gilts sired by Midwest Star 48-1 and are bred to TB Smoke 4-8
1 Poland Gilt bred to SAL Balancer, bought from Frank Albertson's Herd, Illinois

FOR SALE
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Boars - Open Gilts
Immediate Service

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RD 2 Box 135
Kutztown,
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PENNSYLVANIA ALL BREED BRED GILT SALE

Farm Show Bldg. - Harrisburg, Pa.
Small Arena
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Catalogues Available At Farm Show Or By Request Only From Harry Bachman 138 College Ave. Annville, Pa. 17003

SALE SCHEDULE

MONDAY, JANUARY 9, 1989		TUESDAY, JANUARY 10, 1989	
10:00	Polands	10:00	Hampshires
11:30	Chester Whites	11:30	Landrace
1:30	Berkshires	1:00	Yorkshire
2.30	Duroc	2:30	Spotted

Show Sat., Jan. 7
9:00 A.M.

Auctioneer
HARRY BACHMAN
138 College Ave., Annville,
PA 17003
Tel. 717-867-1809

SHOULD BE REMOVED FOLLOWING SALE WHEN SETTLEMENT MADE

PA. CO-OP SWINE BREEDERS ASSN.

ARNOLD'S 58th HOG SALE

Saturday Afternoon 1:00 P.M.
February 11th, 1989

Lebanon Fairgrounds, Lebanon, Pa.
Auctioneer - Harry Bachman - (717) 867-1809 AU-000033-L
CROSSBRED - DUROC - HAMPSHIRE - LANDRACE - YORKSHIRE

100 BRED GILTS
50 Registered & 50 Crossbred. Handmated due February thru April. High quality gilts bred to make project show pigs.

SPECIAL FEATURE Durocs bred to "WALL STREET" 144D/230#, 2.35 gain, .77 BF, 6.06 loin, 222 F.E. Yorkshires bred to "PUFF" purchased 1st World Pork Expo. .82 BF, 6.58 loin, 150D/230#, 2.78 F.E. (Largest loin eye/+ large White), "MUSCLE" Pa. state boar test. Record gaining pen 133D/230#, 1.12 BF, 5.9 loin (largest loin of white boars) 118 index. "COMMAND" Nat'l boar test 145D/230#, .99 BF., 5.70 loin, 2.33 gain, 199 index.

40 BOARS Durocs by "KOKO" 138D/230# 2.85 D.G., 5.98 loin, .08 BF "HAMILTON" top selling at Guhde Farms Sale. 143D/230#, .69 BF., 6.09 loin. Yorkshires by: "ULTRA" 138D/230#, 2.46 gain, .72 BF, 6.05 loin, 127 index, "COMMAND" (see above) "THUNDERMUG" Nat'l Boar Test 128D/230#, (Fasting gaining boar in test) 5.99 loin, 2.47 gain, 1.18 BF, 194 index. Hampshires & crossbred (Duroc x Hamp) by "BUCKSHOT" sired the champion market hog 1988 Lebanon Fair.

40-50 OPEN GILTS

All animals vaccinated for rhinitis, erysipelas, lepto & parvo. Validated brucellosis & pseudorabies free herds.
59th Hog Sale, April 15, 1989
Bred Gilts, Boars, Open Gilts, Feeder Pigs

Yorkshires-Landrace
Leon L. Arnold
R.D. 7, Box 705
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Catalogs Available
Call or Write

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Lawrence Arnold
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Womelsdorf, PA 19567
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Private Sale: Service Age Boars & Open Gilts, Bred Gilts on order.

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Looking forward to meeting you at the 1989 PA FARM SHOW

SHOW 9:00 AM SAT., JAN. 7
SALE 2:30 PM MON., JAN. 9
Quality Breeding Stock Available
Off The Farm Or Delivered.
Validated Herd.

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gangs - 10 ft. x 2 ft.; 6 ft. x 2 ft.
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40 years of Tested Genetics

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Landrace
Duroc
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Large Whites
F1 Crossbreds

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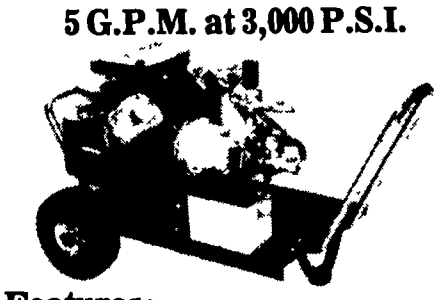

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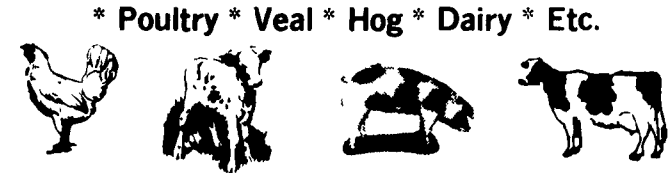

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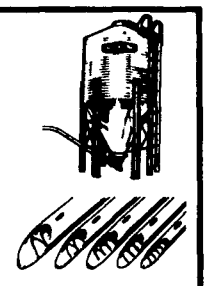

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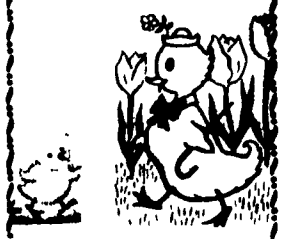

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- Avoid contamination of feed

NO RISK RETURN POLICY
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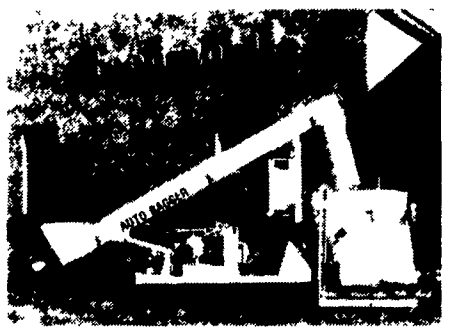

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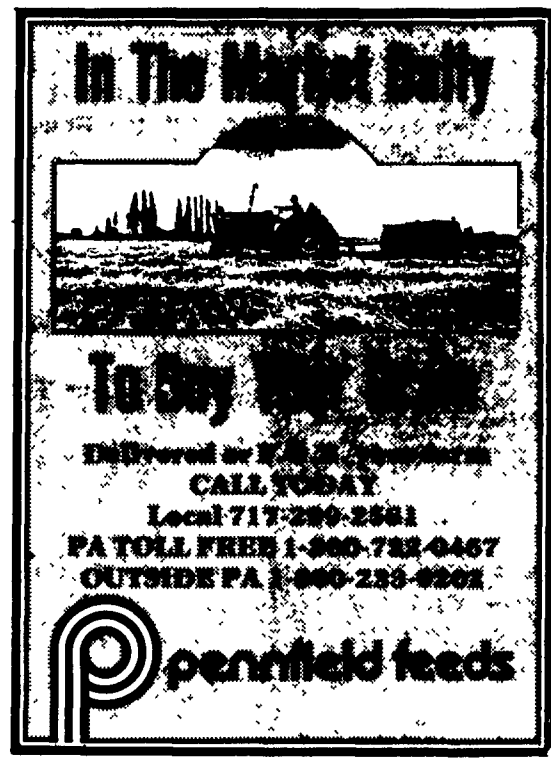
16 FERTILIZER



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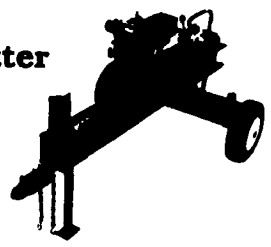
Battery powered sprayer will spray trees and shrubs up to 25' high. Ideal for fly sprays. Come with charger. Six gallon tank is easy to lift out to fill and clean. Adjustable brass handgun.
$299.00
6 Gallon Sprayers available at $199.00
Shurflo 12 volt pumps available starting at $55.00, fittings included.

SUPERIOR 15 GALLON SPRAYER
Sprays 60" width, or will spray trees up to 25' high with adjustable handgun. Connections provided to hook to your tractor battery. Convenient lift out 15 gallon tank.
$299.00
Superior Sprayers Inc.
P.O. Box 5177
Lancaster, Pa. 17601
717-569-3359

20 LAWN & GARDEN

Log Splitter

$900



8 HP industrial engine, 17 ton, two stage hyd., 5 gal. hyd. reservoir, highway tires, 2" ball hitch.

Ringo Hill Farms
Pleasant Valley, Rt. 212
Quakertown, PA 18951
215-346-7340

21 SERVICES OFFERED

Farm machinery repair. Machine shop service. Control wiring. Excavation work. 717-354-4059

HERTZ—HAUL: Liquid manure hauling & spreading service. Tom Hertzler, RD1, Box 26, Morgantown. (215)286-9708, call collect.

PROFESSIONAL HOOF TRIMMING: Over 20 years experience. Fast and accurate work. 70-100 cows per day. Increases milk production. Easy and gentle on the cows and farmer. No assistance needed. 717-755-0770 or 717-757-3378. Satisfaction guaranteed.

Soybean roasting on your farm. Dale L. Schnupp, RD 6, Lebanon, PA 17042. 717-865-6611.

DEAD FARMERS
Can't Enjoy Vacations. Call The Professionals At Farm Sitter Service, Inc. and Get Away Now While You Can Still Enjoy Life. For Brochure and References, Contact:
FARM SITTER SERVICE
Box 17, Fabius, NY 13063
(315) 683-5628

DAIRY FARM SITTING
Experienced milker with knowledge of all aspects of Dairying. Will care for your operation during vacations, illness or injury. Excellent references. Reasonable rates.
Call:
215-593-2367 or
717-786-7229
Andrew C. Batdorf

Cash Buyer of Standing Timber
Guy Sexton
Logging and Timber Management
1148 Pilgrims Pathway
R.D. #2
Peach Bottom, PA 17563
(717) 548-3422 or (717) 548-3428

22 CUSTOM WORK

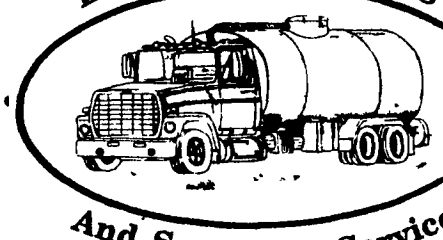
CLIPPER BLADE SHARPENING
Mail blades enclosing $2.50 per set plus return postage, $3.00 for dog clippers. These blades are guaranteed to be sharp. Send to
Aaron E. Beiler
915 W. Main St.
New Holland, PA
17557

22 CUSTOM WORK

CUSTOM LIQUID MANURE HAULING. 717-872-1981.

For Rent or Services Offered: No till grain drill, chopping & plowing, picking corn. 215-932-2778

Liquid Waste Hauling



And Spreading Service

Specializing in:
- **Lagoons**
- **Pits; etc.**

Lagoon and Pit Pumps Available

Marlin M. Nolt
431 Rosebud Road
Myerstown, PA 17067
Phone: 717-933-5741

General Hauling Rollback Truck With Winch
Equip., Bales, and Autos
Lester E. Landis Jr.
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SOYBEANS CLEANED FOR SPRING SEEDING
CALL NOW FOR APPOINTMENT
717-933-5370
JAMES L. HOOVER
RD 6 Box 896
Lebanon, PA 17042

Glenn B. Miller Jr. Const.

Custom Built Barns, Sheds or Garages
Interior or Exterior Remodeling and Painting
Custom Landscaping and Lawn Care
HANDYMAN
FREE ESTIMATES
Quality Workmanship
(717) 933-4616

23 HELP WANTED

Tractor operators needed for large orchard. Year round employment; some pruning work during winter; full-time with benefits; only dependable responsible individuals need apply. Berks County. 215-926-2187.

WANTED: Working manager for New York farm milking 55 pipeline tie stall barn. Good salary, housing, incentives. Send resume to: Lancaster Farming, PO Box 609, R-142, Ephrata, PA 17522.

Mechanic/Farmer repair & maintenance of equipment as needed. Assist w/daily farm operations, machinery operation during summer, feeding, relief milking when needed. Excellent benefits package. Send resume to: P.O. Box 2030, Somerville, NJ. 08876.

Person for general dairy farm work. Experience milking cows necessary. Southern York Co., Delta, PA. 717-456-7285 or 456-5854.

Reliable help wanted for dairy farm near Hanover. Must like working w/cows, no house. Call after 4pm, 717-637-8131, York County.

Reliable person for dairy farm work, 6-day week, 1 milking/day, inside/outside work, references required. 215-258-0788 or write Keystone Farm, RD4, Box 369, Easton, PA 18042.

RUN YOUR OWN HIGH SCHOOL EXCHANGE PROGRAM. If you enjoy working w/teenagers, would like the possibility of international & domestic travel, flexible hrs./part time & the opportunity to earn compensation. Call Ingrid. 1-800-322-HOST. Place foreign students w/ local families & monitor their progress. Work w/ school administrators. AIFS Scholarship Foundation.

This is a repeat ad, please call again for second consideration. Dairy farm employment opportunity. Full-time. Long-term. Excellent salary package including house, utilities, paid vacations, bonuses. 25% milking share, alternate weekends off, 54 hour week. Dairy experience preferred. Cropping, mechanical and Class II truck experience helpful. Time for family is the goal here. Approx. starting date 2/89. Call for appointment Lanc. Co. Fred 717-872-1317, Dave 872-7599, Farm 872-6432.

For Sale: Herdsman for 100 cow herd in Juniata County. House and good fringe benefits. Experience and good references required. Call after 7 p.m., 717-436-6317.

Full time/part time milker, assistant herdsman positions available on Lebanon Co. dairy farm. 717-272-7566

Herdsperson for dairy farm, also able to work w/ equipment. Possible housing available. Lancaster Co. 717-464-3162

If you have experience in horticulture and are looking for a career in that field and if you have the talent to develop an existing small horticultural enterprise but need help to get started, you should investigate this opportunity! Reply to Box A-184, c/o Lancaster Farming, PO Box 609, Ephrata, PA 17522.

Male or female to help on farm, could have a few head of cattle. 814-627-5149

MECHANIC WANTED
To maintain equipment used in orchard operation. Good PM and trouble shooting skills necessary. Reply to Box A-183, c/o Lancaster Farming, PO Box 609, Ephrata, PA 17522.

VINEYARDIST
Will train hard worker with ag. background, (fruit growing experience helpful) to operate commercial vineyard in Gap, PA. Year round career position (on-site winery in development). Call 717-442-4498 evenings.

Experienced Farmer
for modern dairy farm. Excellent house, heat, vacation, plus other benefits. Excellent opportunity $350/week. Near Flemington, N.J.
(201) 369-3690

Herd Person Wanted For 100 Cow, Free Stall Dairy In Western Mass. Good Salary, Nice House, Medical Insurance, Opportunity For Equity, Plus Extras
(413) 738-5915

Dependable, experienced husband and wife team preferred on 90-cow double 5 parlor dairy operation. Excellent housing and benefits. Possible manager position in future. Southern Chester Co.
215-347-2346

Full or part time transplanters. February, March, April & the beginning of May. No experience necessary, will train, indoor-nice working facilities. Prefer female workers.
Miller's Greenhouses, Inc.
Landisville, PA
717-898-8741 or
717-898-7085

Experienced Farm Person wanted for Snyder-Union-Northumberland County Area to work in a successful real estate office. Your farm experience, personable qualities & area knowledge can enable you to earn up to $40,000+ income.
Call
ERA Bowen Agency Inc. Realtors
for an interview:
(717) 743-2165
Arthur F. Bowen, Pres. Broker or write to Courtyard Offices, Box 1, Selinsgrove, PA 17870

23 HELP WANTED

AGRICULTURAL PRESERVE BOARD DIRECTOR.
Proficient person sought to implement successfully a Countywide agricultural preservation program. Experience in planning, agriculture, land preservation, law, public administration, or similar field. Salary $28,897-$42,744 plus full benefits. EOE. Send letter and resume to Karen Weiss, Acting Director, Agricultural Preserve Board, 50 North Duke St., Lancaster, Pa. 17603.

A growing milking equipment dealer is in need of a service/installation person Experience would be helpful but not necessary; will train. (301)374-6616

Dependable, responsible, experienced person needed for dairy farm. Milking and feeding of cattle. Regular time off. Housing and other benefits. 215-767-4827,

FARM TRACTOR MECHANIC WANTED. M.M. Weaver & Sons, Massey Ferguson Dlr. 717-656-2321.

Farm herdsman/employee wanted, responsible man for reg. beef farm, Loudoun Co., VA. Top salary based on experience. (703)338-5099 after 5PM.

TRUCK DRIVER AND MECHANIC
For agricultural related work
Nolt Spreading
Ph. 717-733-8528

Manager position, desire farm or estate. Hardworking, motivated personality. Must have livestock and administrative responsibility. Computer oriented. Southern New England or Eastern NY. Reply to

Lancaster Farming
PO Box 609, R-143
Ephrata, PA 17522

Looking for person to restart dairy operation. Have 12 unit milking parlor, 1500 gal. milk tank, 160 acre farm, no cattle. Require person good at: buying & selling dairy cattle; animal health, feeding, & milking; farm management. Base pay + high % profit share.

412-459-8991

WORKING FARM MANAGER WANTED
Biological farm raising purebred beef cattle & sheep. Approx. 20 miles from Covington, VA. Salary, nice home & other benefits for the right person. Send resume to
R.T. Putney
Farm Consultant
PO Box 90
Brownsburg,
VA 24415
703-348-5439

POSITIONS AVAILABLE FOR SWINE PRODUCTION, HERDSMAN/TECHNICIAN
For consignment facilities.
Northern Lancaster Co.,
Hagerstown, MD area
Call 717-295-8793
between 8 a.m. & 5 p.m.

WHEN SEEKING A CAREER AS AN AGRICULTURAL PROFESSIONAL
Contact the Agricultural Employment Specialists
NORTHEAST
Agri-Employment Services
P.O. Box 233
Roaring Spring, PA 16673
(814) 224-4542
* An employer fee paid agency

LAWN & GARDEN MECHANIC
Full-time. Wages Based On Experience. Good Benefit Package.
Call For Appointment
717-285-4538
R.S. Hollinger & Sons, Inc.
Mountville, PA

DHIA Region #1 Manager
Pennsylvania DHIA is seeking a regional manager for the Northwestern region. The job involves coordination of testing efforts in a 14 county area in Northwestern PA. The applicant should have knowledge of DHIA program and be interested in management. Travel is required and an automobile is supplied. Please send resume by Jan. 20, 1989 to Director of Field Services, DHIA Service Center, Orchard Rd., University Park, PA 16802.

Herdsperson Wanted...
for 200 cow registered Holstein dairy in central New Jersey. Milking and general health care experience required. Modern facilities with new parlor with automatic takeoffs. Excellent working conditions. Regular hours. Time off. Overtime available. Housing available. Other help on farm. Prefer man with wife or children willing to work part-time. But will consider anyone. Excellent school systems and close to large shopping area. Good opportunity for right person. Call Richard Norz for more information.
201-369-4381

24 SITUATIONS WANTED

Housepainter/craftsman relocating to Lancaster County. Thorough knowledge of trade. Seeking employment opportunities through builders, interior decorators, and private individuals. Please call collect anytime, ask for Ralph. (718)631-3640.

Man, 21, graduate MD Institute applied agriculture, farm management, seeking farm or ag-related position with future. Prefer W-Central MD. 301-898-7748.

Sell Animal Health Supplies
farm to farm.
Must have dairy farm experience and be aggressive. Guaranteed salary plus commission and excellent benefits.
Call
Animal Medic, Inc.
717-266-5611

LOOKING FOR A PASTOR?
Seminary trained minister seeks rural church within 4 hour radius of Philadelphia. Presently serving former UCC congregation. Traditional Protestant Theology. For resume and credentials, contact:
Rev. Dennis Kletzing
Box 55, Bridport, Vermont 05734
(802) 758-2434

EXPERIENCED PERSON FOR DAIRY FARM
Milking, feeding & general farm work, housing provided in Kent Co., DE
302-492-3287
Robert C. Thompson

FARM BUSINESS OPPORTUNITY
Business Person/Investor with capital, seeks progressive farmer wanting working partner to build dairy store, restaurant, motel, or campground, etc.
I have farm experience.
Reply evenings:
215-298-3206

AREA SALES MANAGER POSITION
Vigortone Ag Products, the nations largest manufacturer of livestock premixes is currently seeking an individual to assume the position of area sales manager for Lancaster County. The successful candidate should have a strong dairy background and 2 or more years of feed sales experience. College degree helpful. Vigortone offers a highly competitive compensation program and benefit package, as well as opportunity for advancement. Send resume to:

Allan Cornman, Regional Sales Manager
RD 2, Box 322, Pine Grove, PA 17963
717-345-0166

DHIA Region #3 Manager
Pennsylvania DHIA is seeking a regional manager for the Northeast region. The job involves coordination of testing efforts in an 18 county area in Northeastern PA. The applicant should have knowledge of the DHIA program and be interested in management. Travel is required and an automobile is supplied. Please send resume by Jan. 20, 1989 to Director of Field Services, DHIA Service Center, Orchard Rd., University Park, PA 16802.

Chester County
Parks & Recreational Dept.
is seeking an experienced farmer to manage livestock operations at a new 300-acre demonstration farm. Public relations and supervisory skills a must. Excellent career opportunity with good starting salary, county benefits and housing. Apply to:

Chester Co. Parks & Recreation Dept.
235 West Market Street
West Chester, PA 19382
Application deadline Jan. 13, 1989
EOE M/F/V

AI Employment Opportunities
Responsible and motivated persons who seek a rewarding and progressive career working with people are welcome to apply for work in artificial insemination sales and service for cattle. Preferred: ag background, safe driving record, willing to relocate in PA, education and/or experience given positive consideration. Compensation: above average income, fringe benefits, equipment provided, paid training, travel allowance. Mail resume to:
Atlantic Breeders Cooperative
1575 Apollo Drive,
Lancaster, PA 17601

FARM EQUIPMENT SALES
Progressive farm equipment manufacturing company seeks aggressive salesperson for New York and Pennsylvania. Position involves working with existing accounts and developing new accounts. Qualifications include: 8 to 10 years experience in farm equipment sales to dealers, mechanical aptitude, farm background, willing to travel 3 to 4 nights per week and aggressive with strong desire to succeed. Salary, commissions, bonus, car allowance & company benefits. If qualified please forward resume and cover letter to:
Sales Manager
Mathews Company
PO Box 70
Crystal Lake, IL 60014

SALES POSITION OPEN
To travel Maryland, Delaware, and Northern Virginia representing established wholesale distributor of farm equipment, lawn and garden equipment, and hardware lines calling on dealers of above equipment. Draw against commission, medical and fringes.

Reply to:
Box 1169
West Springfield, MA 01090

25 BUSINESS OPPORTUNITIES

MARKETING
I am looking for special people who want big rewards in both financial and management growth and are willing to accept a challenge. Call between 10 AM & 4 PM to schedule personal interview.
717-274-5339

Your Experience Is Valuable.
Earn up to $50,000 per year!
Your knowledge of farm equipment and livestock values may qualify you to become a CERTIFIED farm equipment or livestock appraiser.

AMERICAN SOCIETY OF AGRICULTURAL APPRAISERS
834 Falls Avenue, Suite 1130 ● P.O. Box 186
Twin Falls, Idaho 83303 ● Telephone (208) 733-2323
Send me more information! I am interested in:
☐ Livestock Appraisal ☐ Farm Equipment Appraisal
Name
Address
City
State ZIP LANF

Want to make $15/hr. at home? Handmade item every dairy farmer needs. Easy extra income for men, housewives, teenagers, retired, and disabled. Free information. SASE to: Goodville Farm Services, Box 6, Goodville, Pa. 17528.

26 HOUSEHOLD

APPLIANCES
Central PA's oldest & largest used only appliance store now open in Lebanon. Over 150 rebuilt appliances to select from. All appliances guaranteed 1 year.
W.S. Enterprises
15 S. 9th St.
Lebanon, PA
717-272-2405

THINKING OF LEAVING FARMING BUT WANT TO STAY IN AGRICULTURE?
Please send resume to
Jeff Evanyk
PO Box 68,
Waynesboro, PA 17268

27 PETS

Mason fence - 6 ft. high 6 runs 4x8 ft. outside, 3x4 ft inside gates inside and out, 6 aluminum Kenl-Dor price new $2000, sell everything for $600. Little barn 8x12 ft w/6 Mason runs 4x5 ft. runs 3 ft. high w/roofs 6 magnador (can be moved in section) everything for $650. Possible delivery for mileage. Mifflin Co. Lewistown
(717) 242-0941

26 HOUSEHOLD

FOR SALE: Maytag wringer washer, good shape $150. Will mount air or gas engine. John L. Stoltzfus, RD1, Box 212A, Atglen, PA 19310.

For Sale: Hill-rom hospital beds, $25 each. Berks Co., PA, 215-682-9859.

Handicapped chairlift for 2-story residential facility, $595/b.o. 717-395-3364.

27 PETS

Adorable Catahoula Puppies & Working Farm Dogs For Sale. 215-493-4900

Border Collie puppies, out of working stock. David Eckman, Somerset. 814-798-3881

Registered Border Collie Puppies, imported, champion bloodlines, born 12/14/88. 717-792-1486

St. Bernard puppies, AKC, $150. 717-244-6125

WANTED-Puppies, all breeds. Jack's Dog Farm, Rt. 611, Pipersville, PA 18947. 215-766-8802.

PUPS WANTED
AKC & Cute Curly Mixes, 7 weeks old for pets only. Highest cash prices paid. Reliable weekly pickup. Call The Puppy King at Pet Depot.
201-295-2442
Daily
201-899-5868
Early Morning
Call Collect
215-350-5249
Thursday Only
P.S. We buy pups 52 weeks a year.

PUPS WANTED
By Jo Jo

PURE & MIXED BREEDS HANDLED

I Will Buy Pups Feb. 28, 1989 5-8 PM @ Roots Farm Market Manheim, PA

I will also pickup pups in Kirkwood, Quarryville, Georgetown, Intercourse & Terre Hill area on same date.

Call 1-609-452-8903 before 9 AM for details.

P.S. There will be a $100 prize for the cutest puppy and $100 prize for the puppy who traveled the furtherest distance purchased Feb. 28th.

31 NOTICE

Water ran information booklet, send $5.00 to KOTULA, 3037 Merritt Parkway, Reading, PA, 19608-1013, WATER POWER PUSHES WATER UP HILL.

WANTED Puppies For Pets

AKC, Purebred, Mixed Litters.
Stud service for most breeds
Transportation provided

Forest Ridge Kennel
296 S. Vintage Road
Paradise, PA 17562
717-442-4259

32 MISCELLANEOUS

Antique oak kitchen table w/3 leaves, $300. OBO. 717-786-8966

POLE BUILDINGS: Agricultural, Residential, Commercial. Please call us for a free estimate and no obligation consultation. Our goal is to serve you, because we care.
CONESTOGA BUILDING SUPPLY COMPANY
202 Orlan Rd.
New Holland
PA 17557
1-800-544-9464
717-354-2613
"The Finest In Building Components"

Bandsaw blades made to order. Wood, metal, or meat cutting. 717-733-0511. Martin's Sharpening, R1, Ephrata, PA 17522.

FOR SALE: 2-way radio, 1 base unit, 1 portable unit, changer, antenna. Complete $500. 12,000 gallon fiberglass tank, good condition $1000. Berks Co. 215-926-2908.

For Sale: New 2-mantle Coleman gas lantern; Zimmerman relation book, 12,000 family; 2,000# Fairbank platform scale. (717)354-0616.

Heavy duty fencing, 11-guage, 4' high, 100'long, galvanized 2"x4", $60. 100' roll, also fencing 4' vinyl covered, 16-gauge, 2"x4" in various lengths, 35¢ per foot. 609-451-8618. Cumberland County, N.J. Call after 5pm

JD tractor lift, runs good, $7,500. OBO. 215-538-1945

16x40 walk in refrigerator; (2) dairy deli cases; shelving; counter tops; 15 h.p. Fulton boiler; milkshake machine; display stands; dairy & fruit open refrigeration; safe; (2) desks; dairy milk cases; many other small items. 717-267-3654

1835 Grist Mill grain processing equipment. Also (2) oak & glass meat & cheese coolers, 1 counter type & 1 walk-in. 412-852-1947

(2) Ardco 72"x34" self serve doors for cold or freezer room, 3 doors each, with heaters, lights & shelves. Penn insulated walk in door for cooler or freezer 34"x76" opening with light & thermometer. Set of Kawneer electric doors. 814-367-2936

30" Whitney 2 side planer 15HP 3PH top 10HP bottom w/grinder $4000; 100KW gen set Hercules dsl. hosp. stand by hrs. only no panel $4000; misc. sawmill equip., swing saw, blowers, etc. 607-432-8499.

Antique butcher block, 30x30x32, $400. OBO. 717-786-8966

Meat band saws, grinders, slicers, and tenderizers. Also new splitting saws for only $249. Jerry Grundy, Doylesburg, PA, Rt. 75, 200 yards north of Rt. 274. Open Sat. and Sun., 10AM to 4PM. (717)349-7654 or evenings call (215)549-7584.

Pole Buildings: We can supply your complete building needs. Free estimates. Conestoga Building Supply Company, New Holland, PA. 1-800-544-9464 or 717-354-2613.

Roofing/Siding: corrugated steel & aluminum. Many colors. Several profiles. Cut to the inch. Will deliver. Quality & Service. Call Conestoga Supply, 1-800-544-9464, 717-354-2613.

Snap-on KR560 tool box, loaded with tools, total invested about $8500. Will sell for $5,000 Call (215)267-8116, leave message, will return call.

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Coins-Currency
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Lancaster, PA
1-800-346-0290

LIVE GAME FISH Fingerlings and Adults Large and Small Mouth Bass Spotted and Rock Bass Bream Crappies Trout Channel Cats Bullheads Walleyes Perch Minnows Northerns Pickerel Muskies Red Gills Mullets Carp Eels Turtles Frogs Israeli Carp Also Aquatic Plants and Water Lillies COLORFUL Pond Management
Truck Air and Parcel Post Delivery
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Phone 814-345-5357

HARD STARTING DIESELS IN COLD WEATHER!
Proven results since 1981
In synthetic oil.
Guaranteed satisfaction.
They will not turn over harder in winter than summer.
Please Write:
Stephen F. Stoltzfus
94 Iva Road
Paradise, PA 17562
Please include phone number when writing

FROM THE PIONEERS OF
COTTAGE TOILETS

Several models available: Non-electric to low flushing.

WHY THE MISERY?! Enjoy the comforts of an odourless biological toilet in your cottage.

The TROPIC!
A beautiful design made of durable fiberglass. Requires no water, no chemicals, no septic tank. Highest quality with a 2 year warranty.

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157 Knoxlyn Road
Gettysburg, PA 17325
• (717) 334-0224 •

For Sale:
Used portable kerosene space heaters:
1 Used Green Co. 40,000 BTU
New $199.95 Asking $90.00
1 Used Kelly 175,000 BTU
New $379.95 Asking $100.00
1 275 Gal. Kero. Tank with 40 gal. Kero. Asking $75.00
2 50 Gal. drums with some kero. Asking $20.00 ea.
1 9 HP Briggs Engine needs work Asking $100.00
7 Large Nursery ball carts
New $270.00
Asking $65.00 to $145.00
1 Used 7 ft. Snow Plow Asking $145.00
1 Used 7 ft. Snow Plow Asking $95.00
Call **Stauffer's of Kissel Hill Landscape Center**
c/o Ron Zimmerman
360 W. Main St., Leola, Pa. 17540
Phone 717-656-2591

WERTZ COAL YARD. Quality anthracite blacksmithing and cannel coal. Cumb. Co., PA. 717-766-9592.

ANTIQUES WANTED
Wall cupboards, pay up to $10,000. Corner cupboards to $5,000. Slant-front desks, grandfathers clocks, rope beds, guns, pottery, toys & anything old. Just give me a call. Free appraisals.
Write:
Tom E. Fisher
P.O. Box 277
Elverson, PA 19520
Or Call
1-215-286-6618
Anytime

33 RECREATIONAL VEHICLES

1987 Suzuki 230 quad sport, less than 12 hours, $1,900. OBO. 717-786-8966

28' 5th Wheel, 2-door, side bath, 2 twin beds, rear sofa bed & dinette, A/C, heater, 20' awning w/add-a-room, more, $4,500/neg 201-454-3333.

FOR SALE: Travel trailer (1982) Chataue 29', mint condition, w/many extras 814-342-1000.

34 AUTOS

1968 Mercury 4DR, low miles, garaged, very nice $3500, 1966 Lincoln 4DR conv. restorable $1600 607-432-8499.

1982 VW Rabbit diesel, no rust, good running condition, $1450 (717)897-6489.

1983 Plymouth Reliant 4 cyl., 50,000 mis., nice car. Leb. Co. 717-865-4304.

FOR SALE: '83 VW rabbit diesel, 5SP, LS, light body damage $995. 215-683-7943.

For Sale: '82 Omega Olds, 4-door sedan, PS, PB, A/C, no rust, good radial tires and good condition. (215)682-6621.

Jeep, 1977, V/8 3-spd, runs good, 73k miles, needs clutch, $995/b.o. 717-395-3364.

35 TRUCKS & TRAILERS

'88 F150 300 6 cylincer, fuel injection, 4 WD, 5 speed, 10,000 miles, $9,300 cash. Walker's, Somerset Co., 814-893-5589.

'88 Ford F250 ¾ ton Super cab, 300 6 cyl., EFI, 5 spd, PS, PB, AM-FM, dual tanks, 8,800 GVW, 18,000 miles, $11,500 717-733-2873

Covers for anything TIRONIE'S TARPS 717-584-2928 anytime

FOR SALE: 1979 Dodge 4WD pickup, good condition Leb. Co 717-865-4304.

For Sale. '75 IH 1800 load star, 392 engine, 5speed, good condition, 17' twin hoist w/haysides, new 10 20 tires and paint Call evenings (215)682-6621.

For Sale INT 2110 lime truck, 10' Stoltzfus lime or fertilizer spreader, oil motor driven, new paint and tires, in excellent running condition. (215)682-6621.

For Sale: Transfer Trailers, all sizes; Demolition Dumps; Used trucks, agricultural dump bodies & trailers, economy grain dumps, rollbacks & log trailers. Keith walking floors, sold & serviced. 814-623-9696 or 814-623-8696

'66 Chevy dump truck $1200. 301-596-9700 or 301-531-6386.

'79 Chev. pickup, Scottsdale, silver/burgandy, V8, auto., PS, AC, one owner, excellent condition, $2,800. 215-857-3949 after 7 p.m.

(8) 22" Budd steel rims, excellent condition, $250. OBO. 717-786-8966

84 Chev. HD½ 4x4, 6.2 eng., 4-spd., cloth seat, red, Cumberland Co., 717-423-5987.

'85 Chevy C20 Suburban 9 passenger, 350 4 spd., PS, PB, AM-FM, 38,000 miles, $7,900. 717-733-2873

'86 Chevy HD C20 pickup, 350 auto., PB, PS, air, AM-FM, cruise, 29,000 miles w/ fiberglass topper, Class III hitch, 8,600 GVW, excellent condition, $8,975. 717-733-2873

'86 Chevy HD C20 w/new Reading utility body, 350 4 spd., PS, PB, AM-FM, 8,600 GVW, excellent condition, $5,400. 717-733-2873

'86 Dodge 250 HD, ¾ ton, 4x4, 360 4 spd., PS, PB, AM-FM, 8,510 GVW, 7,000 miles, like new, $9,800 717-733-2873

'86 Ford F250 ¾ ton pickup, 300 6 cyl., HD 4 spd., PS, PB, AM-FM, 36,000 miles, $7,600. 717-733-2873

'86 Ford F250 ¾ ton, 300 6 cylinder, HD 4 spd., PS, PB, AM-FM, $6,900 717-733-2873

'86 Ford XL F250 Super Cab, 300 6 cylinder, 4 spd., PS, PB, cruise, tilt, AM-FM cassette stereo, dual tanks, 8,800 GVW, 31,000 miles, excellent condition, $10,500 717-733-2873

'87 Chevy C30 dual whl w/9' Stahl utility body, 350 4 spd, PS, PB, AM-FM, 500 miles w/factory warranty, like new, $13,900 717-733-2873

'87 Chevy C20 w/new Reading utility body, 350 auto., PB, PS, 8,600 GVW, 17,000 miles, like new, $12,500. 717-733-2873

'87 Chevy HD C20 ¾ ton, 350 4 spd., PS, PB, AM-FM, 8,600 GVW, dark blue, $7,900. 717-733-2873

'87 F150 Super cab, XL 300, 6 cyl., fuel injection 30,000, $7,400. Walker's, Somerset Co., 814-893-5589.

87 Ford, F150, 4WD, 302 fuel injection, HD, 4-speed, 17,000 miles, $8,200, Somerset Co., Walker's, (814)893-5589.

'88 Chevy C30 dual whl. w/12' Reading stake body, 350 4 spd., PS, PB, new w/factory warranty, $13,500. 717-733-2873

'88 Chevy C30 Silverado, dual whl., 4x4, 454 FI, auto., PS, PB, PW, PDL, cruise, tilt, air, trailering package, AM-FM cassette stereo, 11,000 miles, like new, $16,900. 717-733-2873

1973 Ford Cattle Truck w/350 engine, 4-speed, PS, good shape. Stump Acres, 717-792-3216, York Co.

1975 30' Hill aluminum dump trailer, 2-way tailgate, good condition. 717-665-4785.

1975 Int. 4300, 350 Cummins, just rebuilt, jake brake, 13SP, w/alum. Fruehauf dump. All in good condition. $12,000. 1974 Int. 200 one ton dump, good condition. 814-443-4039.

1978 Chevy pickup bed, good condition; (2) new Chevy pickup fenders 717-786-8966

1979 GMC Brigadier C&C 204WPa. 138 CA. 3208 Cat 5SP trans. 2SP rear 35,000 GVW, PS, air, brakes, AM/FM radio, excellent condition $10,500 717-367-1252 or 653-1087.

1979 IH triaxle dump truck, 8V92 Detroit 430HP, 19½' alum. dump body, 11-24.5 tubeless radials in good condition. (717)426-2431.

1979 Mack cruiseliner, cabover, V8, w/wetline twin screw $6000; 1975 Int cabover, w/AC, PS, rebuilt motor, wetline, twin screw, 33' frameless Fruehauf dump trailer; 16' flatbed. 717-386-5696.

1983 Delorean stainless steel body, 5 speed overdrive, 1,400 miles, $23,500 (717)865-7447

1987 Ford F250 XL super cab, 351 auto., PS, PB, air, AM-FM, dual tanks, 8,800 GVW, red & white, 11,000 miles, excellent condition, $13,500 717-733-2873

1988 GMC 3500 Sierra SLE, extra cab camper special, 350 FI, 4 spd., PS, PB, air, AM-FM, 8,600 GVW, blue & silver, 4,000 miles w/balance of factory warranty, like new, $14,500 717-733-2873

1988 Mitsubishi radiator, turbo diesel motor and auto. trans., 4000 miles, out of 11,000 GVW truck, $2800. 215-683-7943.

1988 Mitsubishi motor, automatic transmission, radiator with 4,000mi out of 11,000 GVW, $2,800. (215)683-7943.

30' aluminum feed dump trailer with 6' sides, roof and air lock, $8,900. (717)649-5992.

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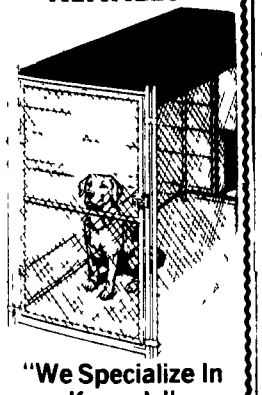

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JD tractor lift, runs good, $7,500. OBO. 215-538-1945

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435DD, 13 Speed, Rayco Supsensior 11x24.5 Tires, 212 WB, Sleeper
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Pickup for sale, 1972 Ford 100, 6-cyl. w/3-spd, runs OK but needs body work, good weekender. Lehigh Co., 215-679-8921.

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1978 International 1600 Series 16,000 GVWR 345 V8 Engine (Freshly Rebuilt) 4 Speed Transmission, 2 Speed Rear Axle, 12' Van Body, Runs Great $2195.00 As Is.
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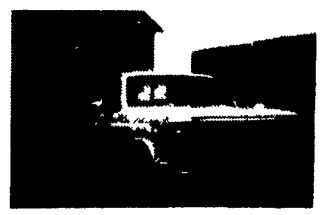

'85 Ford XL F350, 4 Speed, PS, PB, AM/FM, Air, 8800 GVW 460 Engine, Blue, Exc. Condition.
$8,200

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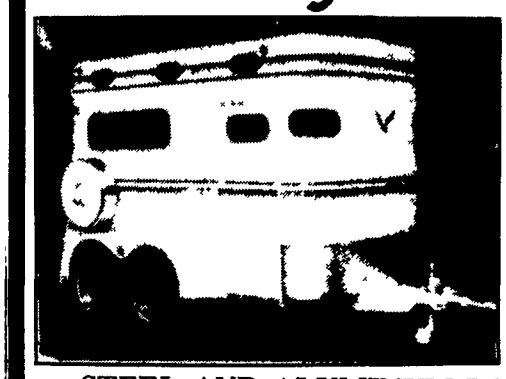

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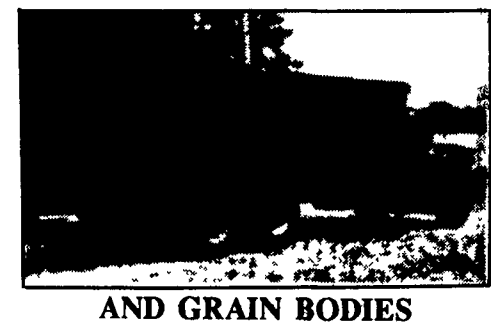

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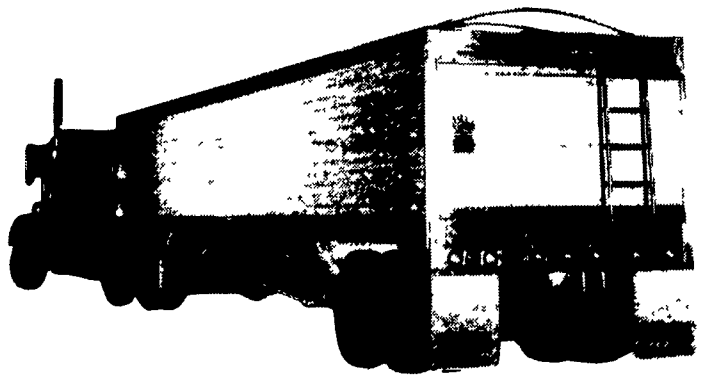

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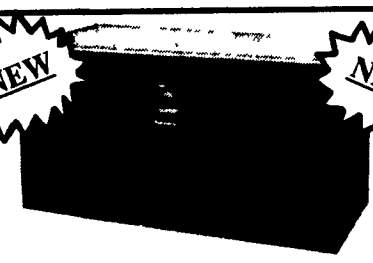

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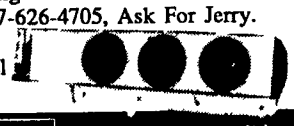

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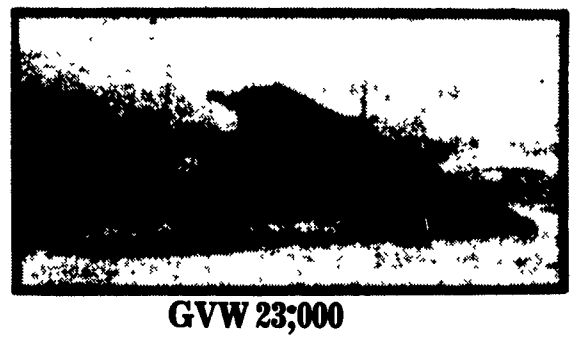
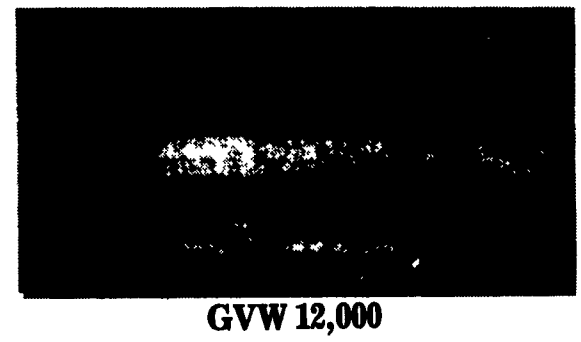


GVW 23;000



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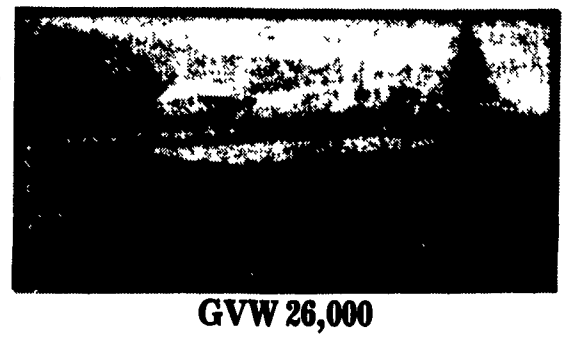
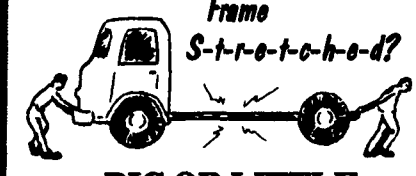


GVW 26,000

Want Your Truck Frame S-t-r-e-t-c-h-e-d?



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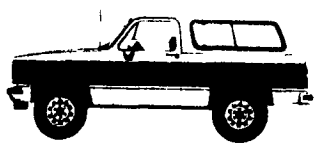
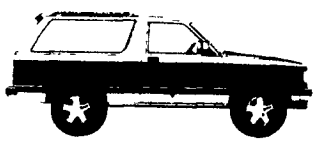
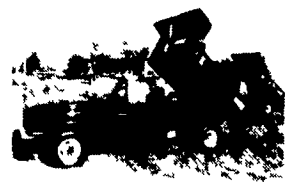


1989 V JIMMY
V8, Auto, AC, Loaded
#9034 List $20,822
Farm Show Special **$18,695***



1989 S-15 JIMMY
4x4, V8, 6 speed. #9078
List $15,348
Farm Show Special **$12,900***

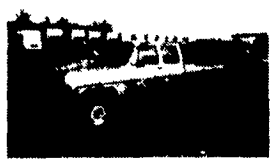
1989 SLX PICK UP 4x4
V8, 5 speed, plus many more options. #9086
List $15,536
Farm Show Special **$13,595***



NEW 1988 GMC w/10 FT. DUMP
V8, 4 Speed, 10,000 GVW
Stock #9311 List $18,917
Farm Show Special **$14,995**

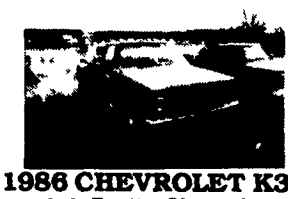
1988 GMC SUBURBAN
4x4, V8, Auto, Air
Stock #9324 Was $19,135
Farm Show Special **$15,800**

1987 CHEVY SUBURBAN
4x4, V8, Auto, Like New
#6110A Was $14,995
Farm Show Special **$13,995**



1980 GMC CREW CAB
4x4, Single Wheel, V8, Auto
#6117 Was $6,995
Farm Show Special **$6,295**

1985 CHEVROLET K20
4x4, V8, Auto., w/Utility Bed
#9083A Was $9,995
Farm Show Special **$8,995**



1986 CHEVROLET K30
4x4, Dually, Silverado, Auto, Air
#9151A Was $13,995
Farm Show Special **$12,995**

1984 FORD BRONCO
4x4, 6 Cyl., 4 Speed
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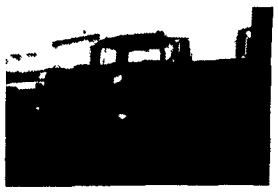
1980 FORD C600 14 FT. FLATBED
V8, 5 Speed, PS, PB
Stock #6051 **$5,895**



1974 FORD LT9000
3208 Cat, PS, 5&4 Speed, 150" Cab to Axle, 56,000 GVW, Cab & Chassis
Stock #4000 Was $13,995 **$12,995**

1981 FORD C-700
370 V8, Gas, 14' Alum. Box w/Lift Gate, Allison Automatic
Stock #9345A Was $7,995 **$6,995**

1978 FORD LN8000
3208 Cat, 5 & 2 Spd., Full Air Brakes, (N.A.P.)
Was $9,995 **$8,995**

1976 CHEVY C60
V8, Gas, 4 Speed, 12 Ft. Box
Stock #6084A Was $5,995 **$5,495**

MACK SINGLE AXLES
237 Mack, 5 Speed, 33,500 GVW, Air Brakes
1980 $13,995 1979 $12,995 1977 $9,995

1978 FORD LN 7000
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Was $6,995 **$5,995**

1979 MACK
237 Mack, 5 Speed, 33,500 GVW, 9 Ft. New Dump, New Paint, Pa. Inspected, Ready To Go To Work
Was $23,995 **$20,995**

1979 FORD LN9000
671 Detroit Diesel, 10 Speed, 35,000 GVW, New 9 Ft. Dump, New Paint, Pa. Inspected, Ready To Go To Work
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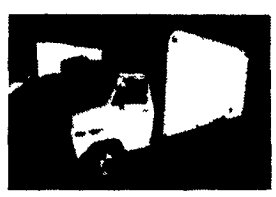
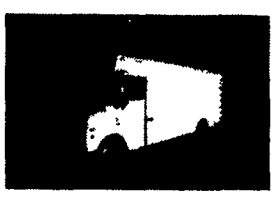
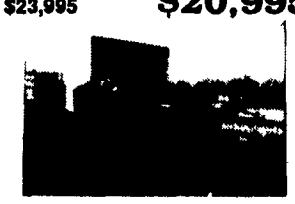


1984 CHEVY 14' HIGH CUBE
Alum., V8, Auto, 45,000 Miles
Stock #9355A Was $8,995 **$8,495**

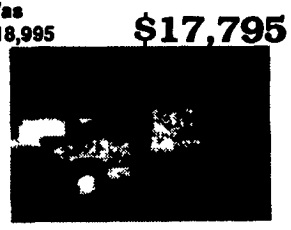


New 1988 Grumman Olson STEP VAN
18 ft., V8, Auto
Stock #9339 Was $26,199 **$21,700**

1974 DIAMOND REO 10' DUMP TRUCK
468 V8, 5+2 Speed, PS, 35,000 GVW
Stock #6092A Was $6,995 **$5,995**



1984 GMC C70
366, V8, 5 Speed, 24' Van Body
Was $13,995 **$12,995**



1982 GMC C70
366 V8, 5 Speed, 22 Ft. Van Body
Was $9,495 **$8,495**

1978 FORD LN8000
3208 Cat, 5+2, New 9' Dump, Pa. Inspected, Ready To Go To Work
Was $16,995 **$15,995**

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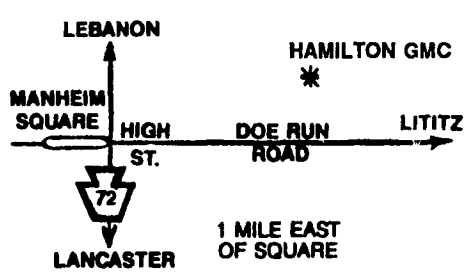

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1988 - Chev G20, cargo, 7,800 miles, AT, PS, PB, 33 gal. tank.

1987 Chev P30 stepvan, 350, V8, AT, PS, PB, 40,000 mile, new tires front, alum. body.

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List Price $15,356
CUSTOMER PRICE
$12,788*

* Excludes Freight

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'84 NISSAN LONG BED 5 Spd., PS, PB, Tan, 69,002 Mi. **$3,300**	**'76 GMC SUBURBAN 4x4** 8 Cyl., AT, PS, PB, Gray **$3,650**
'80 CHEVY SCOTTSDALE 4x4 8 Cyl., AT, PS, PB, Red **$5,050**	**'83 HIGH SIERRA 2500** 8 Cyl., 4 Spd., PS, PB, A/C, Black **$6,000**

Tax & tags extra.

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Lancaster, PA

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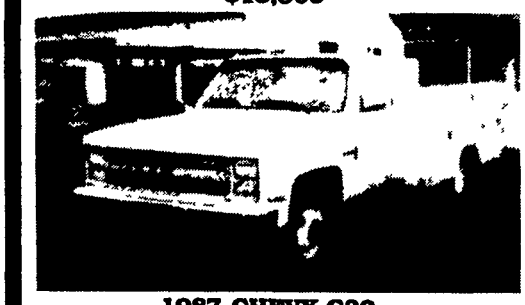
88 CHEVY C30 SILVERADO
Dual wheel, 4x4, 454 FI, auto, PS, PB, PW, PDL, cruise, tilt, air, AM-FM cass. stereo, dual tanks, trailering special, lock out hubs, 11,000 miles, like new
$16,900

1988 CHEVY C30
With 12 ft. Reading stake body, 350 4-speed, PS, PB, new with factory warranty.
$13,500



1987 CHEVY C30
Dual wheel, with 9 ft. Stahl utility body, 350 4-speed, PS, PB, AM-FM, 500 original miles, like new
$13,900

1986 DODGE D250
HD 3/4-ton, 4x4, 360 4-speed, PS, PB, 8510 GVW, 7000 original miles, like new.
$9,800

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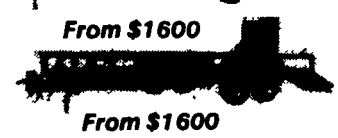
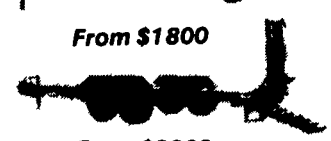


From $1600

From $1600

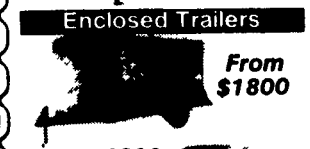


From $1800

From $3000

From $3000

Enclosed Trailers



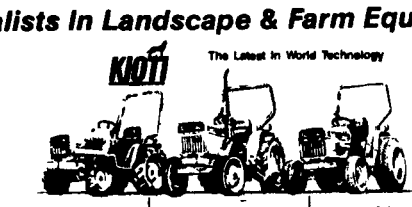
From $1800

From 1800

Dump Trailers

Horse & Stock Trailers

From $1900



LB1714	LB2202	LB2204
• 17 horsepower fuel-efficient diesel • Synchromesh transmission with shuttle shift • 4-wheel drive • Eye-catching styling	• 22 horsepower water-cooled diesel • 2 wheel drive • Low maintenance • Ideal for front mowers and loaders	• 4-wheel drive • 22 horsepower fuel efficient diesel • Live, high capacity hydraulic power • Category 1,2-point hitch

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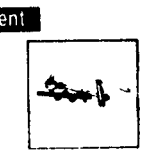

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Log Splitter
8 HP industrial engine, 17 ton two stage hyd 5 gal hyd reservoir, highway tires 2 ball hitch
$900

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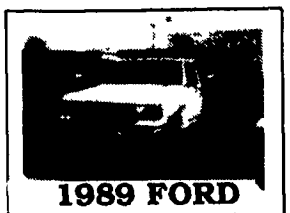
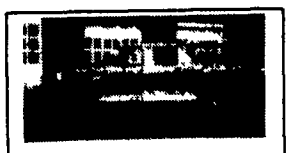


1989 FORD SUPERDUTY STAKE BODY
PS, PB, AM-FM Stereo, 460 V8, 5 speed, super engine cooling, tach., aux. fuel tank, headliner insulation package, mud & snow tires, 12 ft. stake body, 14,500 GVW.
$16,854 or $328.54
ST #8045

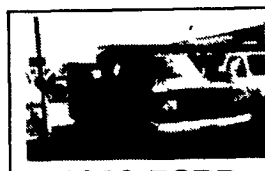
1988 ISUZU NPR Cab & Chassis
PS, PB, turbo diesel, 5 speed, tilt steering, 33 gal. fuel tank, 3 man seating, radial tires, 132.5 in. wheel base, 13,250 GVW.
$14,983 or $287.16
ST #3059



1988 FORD CLASSIC 1000 4x4
Auto. trans., PS, PB, air cond., PW, power locks, cruise, AM-FM stereo cassette, 7.3 diesel, 4:10 limited slip rear, trailer towing package, light group, color TV, running boards, XLT trim, all terrain tires and much more.
$28,346
ST #2578

1989 FORD F150 4x4
Pickup, 6 cyl., 4 sp. trans., PS, PB, AM-FM stereo, conv. group, aux. fuel tank, handling package, low mount mirrors, tach., sliding rear window, chrome clean step bumper, light group, chrome grille, argent steel wheels, heavy duty battery, all season radials, 8 ft. bed.
$11,991 or 212.13
ST #8441

1988 FORD F350 Cab & Chassis
PS, PB, 7.3 diesel, 5 speed., limited slip axle, aux. fuel tank, tinted glass, all season radials, 161 in. wheel base, 11,000 lb GVW, mount the body of your choice.
$13,470 or $253.69
ST #2580



1989 FORD SUPERDUTY DUMP TRUCK
PS, PW, AM-FM stereo, 460 V8, 5 sp., tach., chrome grille, headliner, super engine cooling, aux. fuel tank, mud & snow tires, perfection, dump body, 14,500 GVW.
$18,657 or $368.42
ST #8045

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2H Kiefer Golden Hawk	$4,895
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6x10 Tilt Utility	$725
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14' Owens gooseneck trailer, 20,000 GVW, $1,800
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85 Ford Bronco II V6, 5 Spd, PB, PS, AC, Eddie Bauer Edition, 1 Owner
85 Ford F-150 4x4, 6 cyl., 4 spd, PS, PB, explorer pkg., sharp, 2 tone blue
78 Ford LN8000, Cab & Chassis, 3208 DSL, 5 Spd, 2 Spd Axle, Low Miles

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flatbed trailer
with flip-up beaver tail

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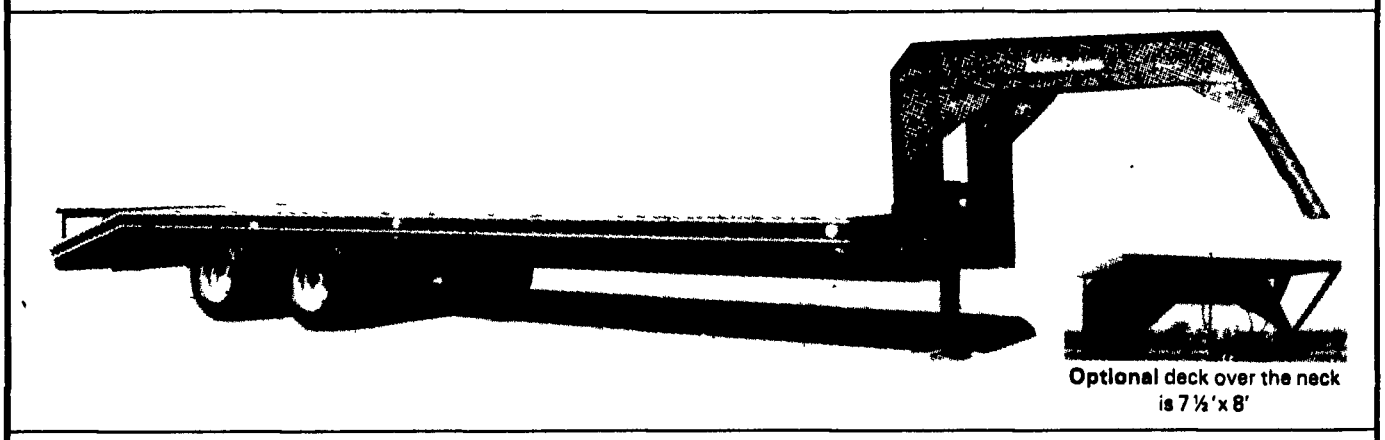

Optional deck over the neck is 7½' x 8'

The FLIP-UP BEAVERTAIL raises and lowers in seconds -- slide out ramps are stored under the beavertail. The Hillsboro Flatbed features a full 96" deck width which is more value than the competition.

The Hillsboro Flatbed is available in two styles, the 20' and 24' trailer with standard neck, and the 28', 30' and 32' trailer with heavy duty neck.

VERSATILE — RUGGED — RELIABLE and REASONABLY PRICED!

The Hillsboro Flatbed Trailer with flip-up beavertail can be the one trailer that means lower cost for you. Here's why!!

VERSATILITY! That's what makes a Hillsboro trailer such a good investment. With the beavertail down it's an excellent trailer for moving wheeled equipment. Flip the beavertail up and it adds an extra four feet of deck space for hauling hay and other bulky loads.

HERE'S WHAT HILLSBORO QUALITY MEANS - All Hillsboro trailers are manufactured in precise jigs and fixtures which assures excellent alignment of axles, a better pulling trailer, a level and square trailer.

HILLSBORO WORKMANSHIP INCLUDES-Exceptional weld quality, material that is chemically cleaned, two coats of high quality paint, material strength engineered into the best flatbed value.

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1989

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PRICE INCLUDES: 3% HOLDBACK, FLOOR PLAN INTEREST CREDIT, DEALER PREP REIMBURSEMENT, PAID BY GM TO ALL DEALERS. (HOLDBACK IS 3% OF MANUFACTURER'S SUGGESTED RETAIL PRICE OF BASE CAR & OPTIONS EXCLUDING FREIGHT. (PRICE EXCLUDES: STATE AND LOCAL TAXES, LICENSE AND FILING FEE, INCENTIVES OR REBATE PROGRAMS, IF ANY PAID TO CUSTOMER. IF FOR ANY REASON YOU SHOULD HAVE TO CANCEL YOUR ORDER, YOUR DEPOSIT WILL BE CHEERFULLY REFUNDED.

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SELECTED MODELS_____

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1989 CHEVROLET PONTIAC BUICK AND CHEVY TRUCKS	Window Sticker	KLICK-LEWIS FACTORY INVOICE PRICE Delivered price includes std equipt, GM Adv fee and freight	Option Package 1 or A	Option Package 2 or B	Option Package 3 or C	Option Package 4 or D
CHEVROLET						
Caprice Classic 4 dr	14,950	**13,164.04**	602 65	1674 50	n/a	n/a
Caprice Classic Brogh	16,120	**14,185.75**	421 60	1913 35	n/a	n/a
Caprice Class Wagon	15,530	**13,670.58**	201 45	1261.40	1991.55	n/a
Celebrity 4 Door	11,945	**10,534.19**	455 60	786 25	1030 20	n/a
Celebrity 4 Door Wagon	12,375	**10,909.28**	470 90	941 80	1214 65	n/a
Corsica 4 Door Notchback	10,410	**9,490.61**	-218.45	465 80	680 00	n/a
Corsica 4 Door Hatchback	10,800	**9,842.88**	-225 25	459 00	673 20	n/a
Corsica LTZ Sedan	13,250	**12,054.73**	-226 10	11 90	n/a	n/a
Beretta 2 Door	11,000	**10,023.48**	-347 65	166 60	274 55	n/a
Beretta GT 2 Door	13,110	**11,928.71**	-470 90	-362 95	n/a	n/a
Cavalier 2 Door Coupe	8,820	**8,306.59**	2 55	122 40	742 90	1063 35
Cavalier 4 Door Sedan	9,020	**8,493.19**	2 55	122 40	742 90	1169 60
Cavalier 4 Door Wagon	9,400	**8,847.93**	7 65	127 50	845 75	n/a
Cavalier Z24 2 Door	11,750	**10,700.23**	127 50	561 00	947 75	n/a
Camaro RS Coupe	11,934	**10,868.04**	-803 25	158 95	351 90	n/a
Camaro IROC-Z	14,584	**13,260.49**	-803 25	201 45	803 25	n/a
Corvette Hatchback	32,045	**27,456.44**	965 29	n/a	n/a	n/a
Corvette Convertible	37,285	**31,926.76**	965 29	n/a	n/a	n/a
Spectrum 4 Door	8,110	**7,769.30**	STD	391 53	589 62	981 15
Spectrum 2 Door	7,610	**7,294.30**	STD	391 53	589 62	981 15
PONTIAC						
LeMans Aero Coupe	6,714	**6,347.08**	n/a	n/a	n/a	n/a
LeMans LE Sedan	8,314	**7,803.08**	n/a	n/a	n/a	n/a
Sunbird LE Sedan	9,374	**8,555.46**	198 05	280 50	658 75	n/a
Sunbird SE Coupe	9,524	**8,690.41**	198 05	280 50	653 65	n/a
Sunbird GT Coupe	11,824	**10,767.31**	227 80	387 60	689 35	n/a
Grand AM LE Coupe	10,894	**9,927.62**	346 80	411 40	569 50	945 20
Grand AM SE Sedan	14,224	**12,934.51**	430 10	539 75	n/a	n/a
Firebird	12,438	**11,323.11**	-281 35	116 45	n/a	n/a
Firebird Formula	14,388	**13,084.46**	-612 85	-464 95	n/a	n/a
Trans Am	16,438	**14,935.11**	407 15	725.05	n/a	n/a
6000 LE Wagon	14,219	**12,519.65**	514 25	735 25	961 35	n/a
6000 SE Sedan	15,849	**13,942.34**	202 30	n/a	n/a	n/a
6000 STE	23,049	**20,227.94**	n/a	n/a	n/a	n/a
Grand Prix Coupe	14,354	**12,637.84**	155 55	159 80	321 30	n/a
Grand Prix SE	16,454	**14,471.14**	221 00	491 30	n/a	n/a
Safari Wagon	16,164	**14,204.72**	341 70	1218 90	n/a	n/a
Bonneville LE Sedan	15,334	**13,499.43**	220 15	368 90	1126 25	1524 05
Bonneville SE Sedan	17,704	**15,568.74**	232 90	573 75	980 05	n/a
Bonneville SSE	23,404	**20,544.84**	n/a	n/a	n/a	n/a
BUICK						
Skyhawk 4 Door	9 710	**9,137.06**	STD	524 45	566 95	605 20
Skyhawk 2 Door	9,710	**9,137.06**	STD	524 45	524 45	562 70
Skyhawk 4 Door Wagon	10,655	**10,016.29**	STD	524 45	609 45	647 70
Skylark Custom 4 Door	11,540	**10,510.70**	STD	489 60	871 25	1109 25
Skylark Limited 2 Door	12 770	**11,621.09**	STD	n/a	515 10	1017 45
Century Custom 4 Door	12 879	**11,349.23**	STD	595 00	1007 25	1382 95
Century Custom Coupe	12,649	**11,148.74**	STD	595 00	956 25	1268 20
Century Estate Wagon	14,406	**12,683.03**	STD	n/a	1037 00	1598 85
Regal Custom 2 Door	14,669	**12,912.68**	STD	145 35	646 85	771 80
Regal Limited 2 Door	15 194	**13,370.76**	STD	317 05	990 25	1224 85
LeSabre Custom 4 Door	15 835	**13,936.79**	STD	525 30	883 15	1350 65
LeSabre Limited 2 Door	17,135	**15,071.69**	STD	912 05	1075 25	1353 20
LeSabre Estate Wagon	17 275	**15,193.51**	STD	739 50	1484 95	1725 50
Electra Limited 4 Door	19,075	**16,771.08**	STD	745 45	994 50	1327 70
Electra T-Type	21,875	**19,215.48**	STD	613 70	1099 05	1492 60
Park Avenue 4 Door	21 010	**18,459.98**	STD	289 85	885 70	1289 45
Electra Estate Wagon	20,410	**17,937.18**	STD	671 50	1048 05	1341 30
Riviera 2 Door	23,090	**20,276.02**	STD	369 75	714 00	1010 65
Reatta Coupe	27,250	**23,908.10**	n/a	n/a	n/a	n/a

CHEVY TRUCKS 1989 CHEVY TRUCKS	Other Dealers Window Sticker	KLICK-LEWIS FACTORY INVOICE PRICE Delivered price with std equip. plus freight	Auto Trans MXO	Air Cond	AM/FM w/ Cassette	Tinted Glass
S10 2WD Fleetside 6 Ft	8,985	**8,201.41**	675 75	625 60	300 90	40 80
S10 4WD Fleetside 7⅓ Ft	11,455	**10,793.32**	675 75	625 60	300 90	40 80
S10 4WD Blazer	13,690	**12,453.72**	675 75	625 60	385 90	STD
V-Blazer 4 WD	15,905	**14,004.17**	675 75	663 85	279 65	STD
Suburban R20 2WD Tailgate	15,830	**13,945.86**	675 75	663 85	279 65	STD
Suburban V20 4WD Panel	17,585	**15,442.91**	675 75	663 85	279 65	STD
Astro CS Passenger Van	12,400	**11,294.70**	518 50	625 60	402 90	88 40
Sportvan G20 Series	13,671	**12,053.42**	412 25	768 40	394 40	88 40
Pickup C1500 2WD 6 Ft	11,085	**9,795.71**	675 75	663 85	385 90	40 80
Pickup C1500 4WD 8 Ft	13,100	**11,564.28**	675 75	663 85	385.90	40 80

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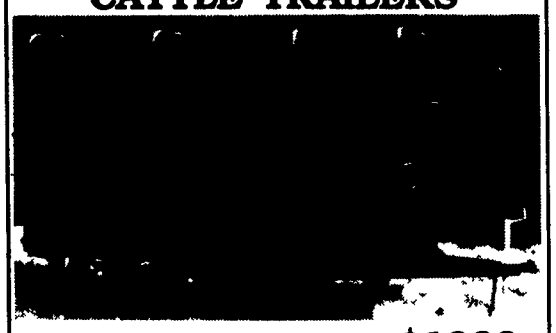

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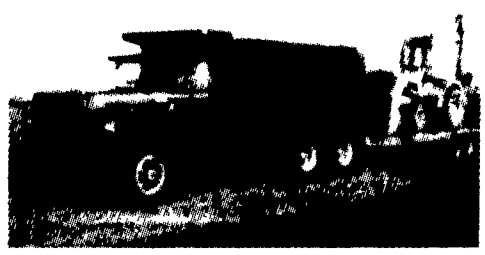

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For Sale: Farmette east of Beavertown, Snyder Co. 2-story recently remodeled home, redwood siding, new horse stable, 3-stall garage, 2 pastures w/ stream, secluded on 24A, $139,000. Additional 10A optional. Call after 5, (717)328-9091.

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Operating dairy farm for sale. Located in Blair County, PA. 126 acres, 68 tillable. Lovely location, good buildings, free stall barn. Price includes 20x72 silo, all milking equipment, 800 gallon bulk tank and computer feeder. Phone 814-832-3320 for more information.

PA mountain land 98.8A, 2 miles from Blue Mt. exit on PA turnpike, easy access, beautiful cabin site on sunnyside of mountain, $65,000. (717)532-5344.

WANTED: House to rent in Mount Joy to Columbia area. Country setting preferred. 717-664-4335.

WANTED: Large farmette, any condition, within 40 minutes Lancaster. Private sale/closing, flexible/will lease land back. Day 717-291-3276, Evening 717-394-5744

Wanted: Private party desires land or farm, 15 to 100A, in Boyertown, Oley or surrounding areas. After 6 P.M., 215-754-7366.

For Sale: 216 acres, good farmland, 4 bdr. home, 2 bathrooms, full basement, barns, cattle shed, outbuildings, 4 ponds, 315-923-7791. Call between 7:45-8:00 a.m.

For Sale: 244 acres limestone, 3 houses, 2 barns, milking parlor, 4 silos, 1 mile from I81 exit, 1½ mile from shopping center. Franklin Co. 717-263-3521

For Sale: 229A modern dairy farm. Milking parlor, numerous out-buildings, grain storage, along main highway, possible owner financing. Somerset Co. For additional info call (814)926-2176.

Wanted to rent: Small farm in Lancaster Co. House, barn, pasture, cropland optional, not interested in dairy set-up. 717-464-9260.

FOR SALE

JUNIATA COUNTY DAIRY FARM 320 acres M/L, 2 homes, 4 barns, apartment, fish nursery and more.

125 ACRE FARM M/L, very secluded, excellent retreat or would be ideal for sportsman club.

Jack Gaughen Realtor
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(717(564-5101 or
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109 ACRES nearly all tillable, 52 stalls, pipeline, tank, hay & equipment storage, 20x60 and 16x45 concrete silos, wire cribs, 4 BR Colonial brick home, 2 baths, 2-car garage, priced $245,000.

19 ACRE FARMETTE Short drive south of Lancaster, 2½ story 3 BR home w/bank barn, 3-car garage, pole cattle building completely finished for cattle or horses. Very unique ideal gentleman's farm, priced at $215,900.

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Kent Co. 233 acres, 217 tillable $867,925
187 acres, 182 tillable, older farm house $395,000
186 acres, 108 tillable, two 5 acre ponds, excellent hunting $437,000

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JUNIATA CO. FARMS

R116: Fermanagh Twp., 125 acre farm w/78 tillable, 11 acres meadow w/good stream, balance in woodland. Sturdy 9 room farmhouse, 36x60 bank barn & other buildings. Good well of water. Is set back from the road for privacy & has a great view. Asking $179,500.

R128: Susquehanna Twp., 113 acres on Fairground Rd., 51 acres tillable, 56 acres woodland, 6 acres pasture. Farm has year round stream, pond & very nice clean buildings. Asking $135,000.

R130: Susquehanna Twp., 47+ acres, small dairy operation w/30 stalls, bulk tank & loafing barn. Also 3 bedroom ranch home, buildings are fairly new, but needs some minor repairs. Asking $110,000

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Going pullet operation for 25,000 birds, with cages & full line of equipment. 40x300 poultry house, 40x64 barn w/four stories, 14x16 shed and 14x46 implement shed, a lovely 4 bedroom home, 66 acres, 40 tillable. This is a very neat and secluded setting. Call for more details. Price **$185,000**

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North Annville Twp.
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2½ story stone and log home with 2 baths and 18 other rooms, large 40x80 barn with limestone endwalls. Barn is set-up for dairy or beef, 2 streams run through the property. Call Nelson Ebersole 867-5221.

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175 Acre fenced in shooting area, 8 ft. high fence, 10 acre lake, 2 acre island, one mile trout stream, campground site, well & septic, propagation license, includes approx. 100 animals, jeep trails, excellent private woodlands, $450,000. Call Gil Curran for brochure or private showing at 717-273-7760.

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$11,000 per acre
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Arbandale Farms
133 Acre Dairy Farm
North Lebanon Township
Lebanon County, PA

- $475,000.00
- Excellent dairy facilities
- Large bank barn
- Double 12 milking stable 36'x48'
- 1,500 gal. Surge Tank
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- 6 unit Surge milking system
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- Well maintained 2½ story white farmhouse with excellent interior
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FOR SALE: 29.15 acre lot with southern slope with good hunting, trout stream frontage, next to hard road, 1.5 miles to town and school, sewage approved, $700. per acre. Tioga Co. 814-367-2936

FOR SALE: Unique passive solar designed immaculate contemporary. Fruit and nut trees on 5 acres. 2000 square feet living space. Has jacuzzi, greenhouse, wrap around deck. RILEY HORST-REALTORS, 717-273-0222. SELLING AT PRE-APPRAISED PRICE OF $138,500!

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LYCOMING COUNTY FARM FOR SALE

This farm consists of 115.5 acres total, 92 tillable, balance woods & pasture, large bank barn is presently setup for beef or young stock w/ lever stalls & circular bunk feeder from 16x50 cement stave silo. There is a 24x48 machine shed, 2 car garage, 5 bedroom house w/l bath, kitchen, LR, DR w/coal & wood warm air furnace. The land is in a high state of cultivation. Presently mostly alfalfa with P.H. near 7. $135,000. 30% down, balance at 8½ % interest. For an appointment to see call:

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3. **Hog or Broiler Farmers, Look At This!!** If you are looking for an intense farm community to build your operation. We will subdivide 60 acres from the total of 183 acres. Fairly level land with stream. This would include a 130' bank barn (4 drive-in bays & beef below) Tobacco shed - corn barn - equipment shed - silo and brick 2½ story dwelling. Nice setting on short lane off township road, $200,000.
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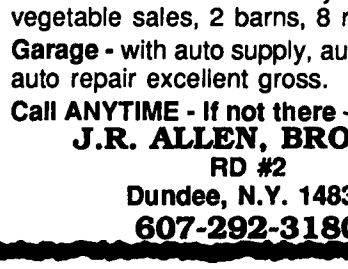

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CENTRAL PENNSYLVANIA FARMS, FARMETTES, LAND AND CABINS

Our Farm and Land Division currently has many farms, farmettes, land parcels, and cabins available in central Pennsylvania. We would be happy to send you a free farm and farmette list and/or rural land and cabin list.

See the Dec. 31 or Jan. 28 Issues for a complete farm and farmette inventory.

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Scott Yocum	(814) 466-3150
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Kenn Davis	(814) 667-3636
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2 adjoining farms for a total of approx. 300 acres. Excellent farm house on main farm. Great for father son dairy or ideal for a sheep operation Call Sandy Leaman for confidential location, financing and details.

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23 acre farmette or retirement home with small 2-story barn, implement sheds and 5,000 bu grain bin with dryer. One story ranch dwelling with 3 bedrooms in exc condition Call Pete Zeisloft at (717) 437-2305.

Bedford Co.
170 acre dairy farm, 150A tillable and 20A pasture, highly productive Hagerstown limestone soil, 3 silos; 20x80 & 20x40 harvestores and a 16x40 concrete stave There is an 80 cow stanchion barn complete with 80 reg. holstein cows & heifers. 1200 gal. mueller tank, surge pipeline and some owner financing Contact Edwin Steach at (814) 448-2260

Lycoming Co.
247 acre modern dairy operation with sales room for juging operation There are 133 free stalls, 62 tie stalls with pipeline milking system There is a large 100 head capacity, young stock barn, 3 silos 20x70, 20x60, 22x60 with roller mill and mixer, 40x100' machine shed and all other needed facilities. Large modern farmhouse with 5 bedrooms and 1½ baths Call Pete Zeisloft at 717-437-2305 or Sanford Leaman at 800-528-5832, ext. 264

Columbia Co.- Dairyman Special
Excellent 40 Stanchion Dairy Farm with tile trough, barn cleaner, Sealstor 16x44 silo, bulk milk tank, lg 9 rm 2½ story dwelling with modern cherry kitchen, formal D R , den, lg living room w/ cherry wood floors. This farm has 16 acres and is ideal for a farmer who wants to buy feed and be a successful dairyman Call Pete Zeisloft, 717-437-2305

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Large free stall dairy farm presently milking 90 and averaging in excess of 21,000 lbs There is 270 Ac. total, 100 Ac pasture and woodland. Balance is very excellent alfalfa and corn farmland Two homes in excellent condition, rentable land as well to make this a fine family operation Call Sandy Leaman at 717-569-4264 or our toll free number - 800-528-5832, Ext 264

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Milton Huber- Lancaster, York, Cumberland, Franklin and Perry Counties.
Sandy Leaman- Lancaster County and Any Other County.
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Good egg production farm on 28½ Acres in Millers, Carroll County, MD. Two production houses-one house has 31,500 hen capacity; one currently set up for 15,000 hens- can be expanded. Packing room & refrigerated cold storage room with loading dock. Includes cages, conveyors, packer & feed bins. Out buildings include block, 2-story garage, equipment shed, 1 story barn, hog house and small block building.

House is an older 2-story, 8 room home, part of which is original log (now covered over), a large summer kitchen type addition was added to the back part of the house. This property has the potential of off-conveyances, and/or dividing. Details of current owners cash flow analysis (other than debt repayment) is available to serious inquiries only. Price- $305,000. (W-6054)

For additional details, call listing agent: George Moser, GRI at (PA) (717) 632-6400 or (MD) (301) 848-6080 (licensed in MD and PA)

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86 acres -35 stanchion barn, basement, silo, tank, cleaner, 11 room home, built in the 1880's.

100 acres - Quonset type barn, 6 room home, full basement.

40 acres - Blue sky and view, excellent place to build a small lake.

260 acres - 4 barns, 3 silos, 2 houses.

165 acres - barns, 2 silos, 8 room home

150 acres - 14 acres vineyard, fruit and vegetable sales, 2 barns, 8 room home.

Garage - with auto supply, auto sales and auto repair excellent gross.

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105 acres, $75,000., 127 acres, $76,200 , 59 acres, $35,400., 81 acres, $45,000 In Western Kentucky, Christian County east of Hopkinsville Kentucky West Kentucky Land & Auction, 515 Weber St., Hopkinsville, Kentucky 42240. 502-885-3117 or nights after 6 p.m. Stanley Fritz, 502-886-4216

268 acre limestone farm at Dry Run, Franklin Co. 8 room brick house, oil hot water heat, 210 free stalls, 4 silos, 12 unit milking parlor, bank barn & storage buildings. Inquire: Franklin Realty, 946 Lincoln Way East, Chambersburg, Pa. Call 717-267-3222. Robert F. Crider, Associate Broker.

Acreage wanted for personal use, not development. 10 acres or more up to 100. East York to West Lancaster, convenient to Rt. 30. 717-846-4570 daytime, 252-2850 evenings.

Apartment for Rent: Loop Road, off 501 north. Two bedroom, living room, kitchen and bath. Apt. newly built. Spacious parking with security lighting. No pets. $375 per month plus security deposit. Available June 1st. 393-0646, ask for Jess or 627-2781 after 5pm, ask for Mike.

Carlisle PA, approx. 41.6 acre farm, 4 miles southeast of Carlisle, 3 bedroom brick house, wood boiler, hot water heat w/oil furnace, 55x42 bank barn, 3 car garage, other buildings, approx. 9/10 mile road frontage, 12x57 mobile home rented. Call 717-258-6124

Clinton County 20 acre farm, two story house, spring water, septic, double garage, barn, outbuildings. Tylerville, call after 6PM. (717)726-6377.

FARM FOR RENT: Cortland County, NY. 300 Acre, 180 tillable, 65 stanchions, fully equipped dairy farm with 5 bedroom house. Call 201-463-0784.

Farmall J230 tractor w/ hydromatic and 4 attachments, $2,490 Also utility trailer, $215. (717)897-6489

Farmer, don't abandon your farm, donate your farm to this tax exempt non-profit organization "The Refuge Foundation", PO Box 696, Rochester, N.Y. 14603-0696. Phone 716-454-4235.

198 ACRE FARM

Magnificent 14 room colonial limestone house. Enjoy the relaxing atmosphere of country living. Don't miss the historical charm of the large rooms, center hall-way and spiral stairway. Excellent opportunity to start a business!

STEWART REALTORS
(717) 245-9393

PERRY COUNTY

144 acres of woodland, stream. $575 per acre.

LANCASTER COUNTY

Large broiler operation & small broiler operation. Call for details.

CUMBERLAND COUNTY

10 acres w/3 bedroom contemporary new 1½ story house.

Modern dairy farm, milking parlor. Call for details.

FARM & HOME REALTY
East Petersburg, PA
717-569-3992
Sylvester Baum 717-776-3967
Harlan Keener 717-464-2669
Broker- J. Irvin Denlinger 717-898-8962

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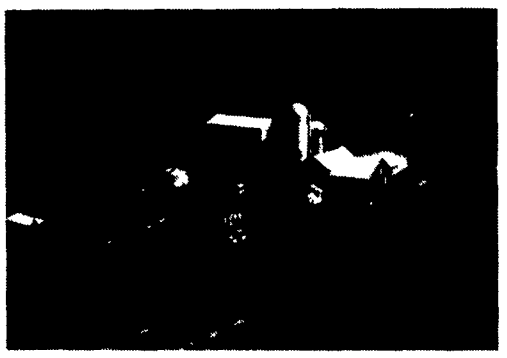


Operating
SNYDER-UNION COUNTY AREA
100 Tillable Acres

And meadow, possible additional acres to rent. Nice dairy facilities, 52 tie stalls, pipe line, heifer stables, 2 concrete silos, equipment storage, liquid manure storage, hay grain storage. Beautiful 2½ story, 4 bedroom colonial brick home with a 2 car garage. $245,000. Call Kingsway Realty, ask for Carl Diller.

KINGSWAY REALTY
717-569-8701
717-464-2233
717-733-3344
Lancaster, PA

Snyder County

195 Acres, mostly tillable, level fields. Two barns, 2½ story home. Great buy @ $1,000 per acre.

45 Acres, of tillable land, 3,200 sq. ft. home, small barn with corral. Unique property, $140,000.

38.6 Acres, very private, house, la SOLD n, mostly tillable acreage $110,000

Union County

10 Acre Dairy Farm, house, barn, 3 silos, milk house, $99,000.

125 Acres, 70 tillable, bank barn, outbuildings, 2½ story brick house plus a framed home, exceptional, $375,000.

180 Acre Dairy Farm, 2 story bank barn, milking barn, 3 silos, house plus tenant house. Excellent property.

Juniata County

4.6 A Farmette, 4 BR home, barn, many outbuildings, $80,000.

Northumberland County

71 Acres 60 tillable, 2 homes, may be subdivided.

Integrity Real Estate
717-837-1061
717-966-3851
717-286-1600

NORTH CENTRAL PENNA

Excellent farmette on 16.9 acres, mostly open, with 2 sty bank barn, partially remodeled house with 4 bdrms, 2 baths, new kitchen, all in good condition. Property can be bought with 11.9 acres for $64,000. Asking $72,000 #979

80 ac. operating dairy farm, 111 tie stalls, pipeline, 1000 gal. bulk tank, barn cleaner, 3 silos, heifer facilities, outbldgs, stocked pond, 6 bdrm house, LR, DR, kit, etc. Possible lease land available. Asking $145,000 #914

85 acre Dairy Farm near PA Grand Canyon, 36 tie stalls, 14x50 silo with unloader, bulk tank, barn cleaner, 2 story home, 6 miles from Wellsboro. Asking $130,000 #964

Koch REAL ESTATE
9 Cone Street
Wellsboro, PA 16901
717-724-3500

DAIRY FARM
CUMBERLAND COUNTY - CARLISLE

Working dairy farm on fertile, rock free limestone soil, creek frontage. Modern 2 story, 3 bedroom home in quiet, beautiful setting. Barn and outbuildings in good condition. Whole package $195,000. Owner willing to subdivide.

Call Gale Bear at
ERA Anderson Real Estate
717-766-0055 or 717-258-6821

So. Northumberland Co. & Surrounding Counties

97 acres, 75 tillable, excellent soil, large pond site. No structures. $2,000 per acre. Rent option or no down.

5 miles south of Danville off of Route 54

120 acres, over 5000 feet road frontage, stream, no house. $169,000. **Owner Financing.**

47 acres, mostly clear farm land, stream thru, excellent for Christmas trees. No Down. $69,000.

20 acres, southern slope, private, no buildings. No Down or Rent Option.

30 acre farmette, 15 tillable, 10 pasture, home, barn, machine shed. $95,000. No Down or Rent Option.

Dauphin Co.

Lykens Valley, 80 acres, 75 tillable, house & barn. $185,000.

PETER B. **CORTELYOU**
Real Estate Herndon, PA 17830
Peter B. Cortelyou, Broker 717-758-9177

UNSPOILED ACREAGE 52+ acs. bord. State Land, some wooded, some open. Plenty of frontage. $34,000 (W401)

SECLUDED FARM 188 acs. beautiful views, 2 sty. fmhse, 4 BR, vinyl sided, barn & outbuilding. $145,000 (W416)

FARMETTE 12+ acs., barn, 3 BR ranch, big kitchen. Raise some beef or sheep $49,900 (W415)

ERA-Homestead Realty
23 E. Ave.
Wellsboro, Pa. 16901
717/724-7161

CAMP OR HOME SITE 12 acs open on hard road near State Lands. $8,418 (M276)

CAMP/RETREAT 24x24 1½ sty, on 2 acs. w/stream, elect, privy, near lakes, completely furnished. $18,000 (M264)

LOG HOME ON 22 ACS. Lower level finished w/bed & bath, upper to be finished. Full basement, big deck, 30x30 barn/garage. $83,000 (M241)

ERA Homestead Realty
Rt. 15 S., Box 276
Mansfield, PA 16933
717/662-3287

HOME ON LG. LOT 2 sty., 3 BR, DR, LR, den. Lots of garden " play space. $26,900 (D576)

BUSINESS INVESTMENT commercial bldg. w/ oversize doors, shop area. Could be store & repair shop. $56,000 (D576)

12½ SECLUDED ACS. surveyed, paved road, ideal site for camp or home. Near lakes. $13,800 (D579)

ERA-Homestead Realty
168 W. Main St.
Westfield, PA 16950
814/367-2222

PENNA FARMS

FRANKLIN CO.

108 Acres General Farm, w/bank barn, 70 crop acres, 25 wooded, 12 pasture, road frontage, stream, restored log 2 story dwelling w/L&S Stone exterior. PRICE ADJUSTED.

105 Acre Beef Farm, 1 floor bank barn, 54x90 Morton bldg., 40x96 Agway bldg., 40x80 pole bldg., 3 BR frame & alum. dwelling (needs repairs).

77 Acre Beef Farm, bank barn w/60x80 pole addition, 72x110 pole implement building, silo, limestone soil, NO DWELLING.

CUMBERLAND CO.

Modern Dairy Complex - 100 free stalls, double 6 milking parlor, 6 units w/weigh jars - 1,000 gallon tank - computer system, 4 stall 2 feed unit - manure lagoon - 2 Harvestors 20x60 - 20x80 - 20x70 stave silo w/ conveyors to feed trough. 88 acres murrill soil - 4 bdr. stone dwelling.

115 Acre Beef and Hog Farm, farrowing unit w/ nursery and manure pit, silos, 2 story brick and aluminum dwelling.

FOR RENT

Cumberland Co. Dairy Farm, 160 acre Hagerstown limestone soil, 2 yr. lease $1650/month. Contact George L Ebener or Charles Wenger.

Charles Wenger, GRI, 263-0945
Fred Willis 776-5369
George Ebener 249-4979
Wilbert Diehl 776-7707

GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

JUNIATA CO. PA FARMS

154 Ac., total 132ac tillable, 65 free stall barn, 50x90 bank barn, milking parlor less equipment, 20x68 concrete silo w/ unloader, 2 story 4 bedroom frame dwelling, stream, well contoured, good state of cultivation — $275,000

303 ac orchard, 130 ac. fruit, good set of buildings, 16,000 bu. cold storage, 2 dwellings plus tennant house, apples, peaches, pears, cherries, plums, w/or w/out equipment, farm main dwelling & tennant house less equipment — $300,000

54 ac. HOBBY ORCHARD 20 ac. cleared, 7 ac. apples & cherries, 2 story 3 bedroom dwelling in immaculate cond., machine shed-sales room comb., bank barn w/ or w/out equipment, farm only — $140,000.

4 ac all cleared, 2 story 3 bedroom dwelling, small barn, large 3 bay garage, other sheds, rural area w/road frontage — **$67,500.**

For brochure, contact
LONG REAL ESTATE
RD#2 Box 410
Port Royal, PA 17082
Ph. 717-527-4784

TOUR OF FARMS
SATURDAY & SUNDAY — JANUARY 7 & 8
1 - 4 P.M.

If you are in the market for a farm or large parcel of acreage suitable for subdivision, please join us at the Hamburg Office for our TOUR OF FARMS. Associates will be available to provide pertinent information and accompany prospective buyers to properties. We have farms range from 6 to 200+ acres and starting at $119,000. All properties are located in Northern Berks County.

Directions: North on Route 61 from Reading to Fourth Street Exit at Hamburg, Right on Woodland Road. Watch for signs.

BLUE MOUNTAIN REALTY
Box 88, Bernville, PA 19506
2 miles north of Bernville on Rt. 183
(215) 488-7614
1001 South 4th Street - Suite 4
Hamburg, PA 19526
(215) 562-8599

WIMPLE ASSOCIATES

TIP TOP SHAPE: this 76 cow barn is partially new and has Conde pipeline, Badger cleaner, 20x60 and 18x60 unloading silos. 20x40 pole barn. 217 acres, rolling fields, honeoye soils. Attractive 4 bedroom home with hardwood floors. Cattle and machinery available. JUST LISTED! $225,000.

ULTRA-PRIVATE GENTLEMAN'S HORSE FARM: pretty lane's end setting for this 70 acre farm with more land available. Spectacular valley views. Large pond with dock for swimming. Stream plus 2 other ponds. Elegant Federal home circa 1788 has been totally remodeled in good taste, has 2 ceramic baths with garden and hexagon tubs, new kitchen with latest styling, huge 48' garage. Barn has 6 box stalls with 15 acre paddock. JUST LISTED! $165,000 **CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355.**

485 ACRE FARM has 200 acres tillable, 180 acres pasture and 100 acres of woods. Good alfalfa soils. 4 miles frontage on 3 roads in developing area. Barn has 51 stalls, cleaner, 16x50 silo w/unloader. Free stall barn with 50 stalls and 20x60 concrete silo. Good 10 room home. Asking $235,000 with possible terms. **CALL WIMPLE'S JASPER OFFICE: 607-792-3355 or...**

WIMPLE ASSOCIATES, SLOANSVILLE, N.Y.
518-875-6355
FREE DAIRY OR - SMALL FARM CATALOGUE

FARMS OUR SPECIALTY!!

#918 Here is a farm with a fantastic location, end of road setting and unbelievable views. 206 acres, 130 tillable, gently sloping fields, well drained high producing alfalfa and corn soils. Modern four bedroom home. Two story and one story barn for 90 head of cattle, pipeline milking; two silos; machinery building; low taxes. Asking $285,000.

#923 - For the farmer who likes tie stalls, but needs parlor milking. 335 acres; good two story barn, 90 tie stalls; four silos; double 4 Surge parlor, auto-take-offs, 1000 gal. bulk tank. Priced to sell! 90 Holstein cows and equipment also for sale.

New listings every week!
Your Farm Broker - Dick Posson

POSSON REALTY
Norwich, N.Y. 13815
607-334-9727

SADSBURY TOWNSHIP-CHESTER CO.
43 5 acre farm w/stone/log home, modern dairy barn which could be converted for horses, stream running thru meadow, Asking $350,000

ANDREWS BRIDGE - FOX HUNTING COUNTRY
Come see this 1791 farmhouse, (stucco over stone) w/4BR's, stone barn w/5 box stalls, 20 acres tillable, 40 acres total, stream & woods. Asking $495,000

PEACH BOTTOM - LANC. CO.
Future value 22 acre wooded homesite, has 1,000 Blue Spruce, 1,000 Douglas Fir, 100 Dogwood & other trees to start your tree farm. $220,000

PARKESBURG - CHESTER CO.
75 acre dairy farm w/large bank barn, new garage/workshop and 4 BR house. INDUSTRIALLY ZONED-PRIME FOR DEVELOPMENT Asking $1,100,000.

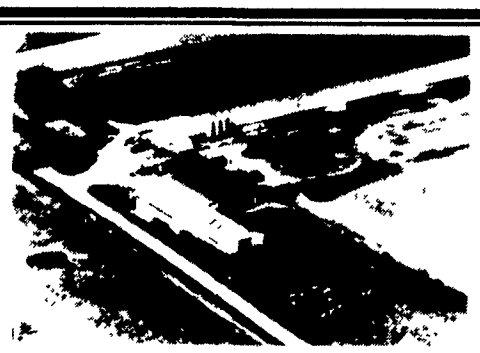
ATGLEN - CHESTER CO.
Prime for development, public sewer possible, 32 5 acres zoned R-1 (20,000 sq. ft per lot), 5 min. to Amtrak, quick access to Rt. 1, Rt. 30. Asking $400,000.

E. NOTTINGHAM - CHESTER CO.
80 Acres with dairy barn, equipment sheds, double mushroom house, 4 BR stucco home, stream in meadow, Amish neighbors. $480,000.

W. NOTTINGHAM - CHESTER CO.
18 Acre Farmette along Octorara Creek, 3 barns plus large equipment shed, 5 BR Colonial house, fenced meadow - Great for horses! $295,000

QUARRYVILLE - LANC. CO.
Top producing multi-use 140 acre farm, 125 acres T., lg bank barn w/50 stanchions, concrete silo, pasture w/stream, machine shop, ut. shed, corn cribs, bulk feed bin, etc., updated 2½ story 6 bd farm house. Asking $800,000.

ROBERT COATES REALTOR
717-442-4134, 215-932-5484
After hours call Don, 215-857-5464,
Rose, 215-932-9626
Debbie 717-548-3847



FRANKLIN COUNTY

128 AC M/L DAIRY FARM, 70 freestalls, milking stable, pipeline, bulk tank, 2½ story 3 BR stone house, and modern automated poultry-layer house. PRICED TO SELL at only $170,000 CALL TODAY.

CIRCLE THIS AD!

ED MEYER GARMAN REALTY
50 Alexander Spring Rd.
Carlisle, PA 17013
717-249-7200
FREE BROCHURE

YATES COUNTY, NEW YORK STATE: 110 acre farm for sale, Lansing and Lima soils (well drained), beautiful location 3 miles from town, large barn and stocked pond on property. $95,000. Century 21 Four Seasons, 229 Lake St., Penn Yan, NY. 14527. 315-536-7456.

Lebanon County Dairy Farm
30-100 Acres, 50 tie stall barn with pipeline milker, barn cleaner, 800 gal. tank, 8 room house, 2 full baths.
LeRoy Geesaman
717-865-4304

WANT TO PURCHASE
Farms In Lancaster Co.
717-393-0646
Ask For Dave Skidmore

COUNTRY RANCH HOME BORDERING STATE LAND. Close to Hills Creek State Park, 3 BR, 2 car garage and small barn, nicely landscaped, 2.5 A well insulated and wood stove for backup head. W-1273. $59,000

RACQUETBALL CLUB - Put yourself right into the fitness business - 3-Official size Racquetball Courts, Lounge Area to relax or enjoy watching others play. Sauna, Weight Room, Tanning Beds, Modern Locker Rooms. Possibilities are endless for someone with imagination. W-1260. $135,000

LOOK NO FURTHER than this 3 Bdrm New England Log home w/Stone Fireplace & Early American decor. Also a 2 Car Log Garage w/Workshop on 43 ac. $150,000 W-1216.

67 ACRES OF HUNTING LAND, mostly wooded, located just west of village of Osceola, land will be surveyed, owner will finance with 20% down, 11% interest with up to 20 years amoritization with a 5 year balloon payment. W-1251. $25,000

Century 21®
THE REAL ESTATERS OF WELLSBORO
"Serving Tioga & Potter Counties"
East Ave., Wellsboro, PA 16901
717-724-5921
Call or write for free list.

BERKS COUNTY, PA
Historic Gentleman's Estate

Planted like a jewel in a tree-lined storybook setting, this is the type of property so often looked for but so seldom found. This beautiful farm consists of 169 acres. There are approx. 105 tillable, 34 wooded and 27 pasture, with a crystal clear trout stream running through the property. The exceptional center-hall stone farmhouse is set back about 1200 feet from the blacktop road. House features 5 bedrooms, dining room, modern country kitchen, living room, 2 modern baths and also attached summer house with walk-in fireplace. The stone bank barn is 42x95. House and barn are both in excellent condition and exceptional examples of early stone architecture. This beautiful farm is nestled at the base of the Blue Mountain, close to state game lands and the Appalachian Trail. Excellent deer and turkey hunting and ideal for horses. Truly a unique country property located just 30 minutes west of Allentown.

Free brochure with photos available upon request.
Many other farms available.

new pennsylvania realty, inc.
Gary Coles, Farm Broker & Appraiser
717-386-5000 or 215-398-2559
Box 123, Rt. 1, New Ringgold, PA 17960

MINNESOTA DAIRY FARM

320 acres, 250 tillable, well drained, 275 head of top quality Holsteins. 106 milk cows, 20,215 Milk, 3.5%, 708 Fat, 3.2%, 641 Protein, 2/3 registered, 20 years official DHIA. 90-cow tie stall barn, Universal milking equipment, 12-month manure storage, heated calf nursery, 60 head young stock barn. 25x80 Harvestore, 20x60 Harvestore, 20x70 cement stave silo. Two modern, three-bedroom houses. Complete line of well-cared-for machinery including six Massey Ferguson tractors and combine.

Real estate is priced at $600,000 — 1/2 replacement price. Terms or buy complete operation.

Realtors with qualified buyers and qualified buyers welcomed.

ADICKES BROS. INC.
RR 1, Lester Prairie, MN 55354
612-395-2049 or 612-395-2642

Longacre FARMS AND COUNTRY ACRES

LYCOMING COUNTY
• 109 Acre Dairy Farm, 80 T., features beautiful 52 stall dairy barn, 2 box stalls, office, milk house w/600 gal. tank & pipeline, barncleaner, 16x60 silo, bank barn for heifers and dry cows, 36x48 machinery shed, wagon shed, 2½ story home w/large kitchen, 2 living rooms, 4BR, bath & laundry, also 14x70 mobile home w/2BR, 2 baths, kitchen, LR, DR. Spring stream in pasture and a great view, $225,000.

SCHUYLKILL COUNTY
• 234 acre woodland tract, joins state gamelands, borders Rt. 81 & secondary road, Pine Grove area, good hunting area, call for details, $175,000.

TIOGA COUNTY
• 186 Acre 100 T. Dairy Farm, balance pasture, 53 tie stall barn, box stalls, new pipeline, 30x50 horse barn w/box and tie stalls, 30x30 heifer barn, 2 story 3/4 remodeled home w/3 BRs., 2 baths, lg. eat-in kitchen, DR, LR, office and laundry. Plenty of road frontage. $185,000.

• 158 acre Dairy Farm, 100 T., balance pasture, 39 tie stall barn, heifer shed, (2)- 20x70 conc. silos w/VanDale unloaders, Patz barn cleaner, modern Surge pipeline, lg. beautiful home, 3 BRs, 1½ baths, stone fireplace in LR, lg. eat-in kit., rec room, office. 1½ miles hard road frontage. $225,000.

• 351 Acre dairy farm, 325 T., features large 2 story dairy barn, 230'x42' w/hay storage on 2nd floor, three 2 story homes all in good condition, 2 machinery sheds, 4 car garage, level land, $385,000.

• 98 Acre Dairy Farm, dairy bank barn w/Quonset laminated roof, plenty of storage space, 28 tie stalls & 4 large box stalls, 650 gal. bulk tank, sheds & garages. Ranch house with 2 BR's, office, large LR, DR, kitchen, basement with garage, 2,000' road frontage, $150,000.

BRADFORD COUNTY
• 200 Acre Dairy Farm, with large 5 bedroom Victorian home sitting on a knoll, surrounded by 200 year old trees, excellent condition, pond & stream, 2 new Harvestore silos, 57 cow dairy barn & some box stalls, long fields, good soils, immediate occupancy. $325,000.

• 370 Acre Dairy Farm with 70 stalls, pipeline milker, 1500 gal. bulk tank, calf & heifer area, 2 story home completely remodeled, kitchen, dining room, living room, 4 bedroom & bath, hardwood floors, small stream, $400,000.

• 500 Acre Dairy Farm, 450 T., features 184 freestall dairy barn, 125 stall heifer barn, double-8 milking parlor, two 1,000 gal. bulk tanks, two 100' bunk feeders, three 24x60 and one 20x60 concrete silos w/unloaders, lovely 4 BR home w/kitchen, LR, FR, office, den, laundry & bath. 2nd home 3 BRS & bath. Spring fed pond & much more. Call for details, $650,000. Cattle & machinery available.

• 150 Acre, 132 T. Hog Farm w/feeder barn for finishing 1,000 hogs per year. Auto. watering, spraying & feeding system, 2 silos, 18x50 with unloader & 16x50. Patz barn cleaner, grain tank & feed room, bank barn w/hay & machinery storage. Beautiful ranch house features 4 BR's, 2½ baths, LR, DR, natural wood kitchen & full basement. 2nd house with large LR, DR, 3 BR's, bath, 1500' road frontage, $255,000.

• 325 Acre Dairy farm w/300 T. features 125 free stall barn with parlor, 3 silos, large machinery shed, computer feeding, dry cow & heifer barn, 3 BR ranch house, $325,000.

• 20 Acre, more or less, 200 head veal calf operation, lock, stock & barrel, except for marketing calves. Very modern operation for any market. Sludge storage system, equipment with barn cleaner etc. A complete operation. Beautiful, 4 BR, 2-story frame house, very large. 1½ bath, LR, DR, den etc. $185,000.

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt. 100 Hereford, PA 18056
Ph: 215-679-5919

DAIRY FARM FOR SALE BY OWNER

105 Acre double 4-parlor, 96 freestalls, bank barn, 3 silos with unloaders, computer feeder, other out buildings, 4 bedroom remodeled house. $332,000. York Co.

Reply to Box G3
c/o Lancaster Farming
PO Box 609, Ephrata, PA 17522

BEAUTIFUL FINGER LAKES AREA

SCHUYLER CO., 109 ac. farm, barns, shop, 65 ac. til., 27 ac forest, ponds, creek, stream, 7 rm 2 story home, 2 bdrms., eat-in-kit, porch, attached garage, also concrete block bldg with Mezzanine, rest rms, large overhead doors and garage area, $100,000 #2842

200 AC FARM, 100 ac. til., 70 ac. forest, pasture, 2 ponds, creek, 4 barns, 2 story 4 bdrm house, eat-in-kit, laundry rm., family rm., summer kit, enclosed porch, 3 car garage, all bldg's are set back ½ mile from the road, $135,000. #2753

153 AC FARM, 100 ac. forest, fenced pasture, stream, 3 ponds, barn 32 by 100, 3 bdrm newer ranch home, 2 baths, fully equipped kit, elect & wood heat, fully insulated, 2 car garage, $81,500. #2714

310 AC FARM, 20 ac. forest, 25 ac. pasture, bal. til., 100 freestall, many out bldgs., silos, double 4 Herringbone milking parlor, Badger feeder & conveyor, automatic take off, automatic washer, good 4 bdrm house, also 3 bdrm house in need of updating. $215,000. #2755.

BATH, Exit 39 Expressway 17, family restaurant, fully equipped, lunch counter, booths, dining room, large lot for parking $185,000. #2749.

438 AC, 210 tillable, balance forest. $175,000. Terms, #2827.

Send us your address for our mailing list on farms, homes & acreage.

MAKITRA REAL ESTATE, INC
4 West Steuben St. Bath, N.Y. 14810
Fax 607-776-6665
24 Hrs. 607-776-2468
After Hrs. 607-776-2386

THE REAL ESTATERS OF MANSFIELD

RD 1 Box 55, Mansfield, PA 16933
(717) 662-2138
Evening - 2363

DAIRY FARM- IMMEDIATE POSSESSION

Between Elmira & Corning, NY. Very close to Pennsylvania line. 1½ story partially remodeled farm house. Older double 6 milking parlor with free stall barn for 74+ mature cows. Heifer barn, 3 concrete silos, milking equip., 2 bulk tanks & silos unloading included. Approx. 70 acres. JUST $93,500. Additional 323 acres available w/ pond in three separate tracts. #M-408.

WELSH SETTLEMENT FARM

Just 3 miles east of Wellsboro. Frontage on 2 paved roads. Originally 100 acres, seller retaining 10 acres of woods leaving approx. 28 acres of woods w/farm plus 55 tillable acres, with airstrip potential. Improved trailer site w/well, septic & elect. Former Dairy barn w/little value unless repaired. 14x65 silo, 36x70 metal shop/ storage bldg. Was $79,900 REDUCED TO $72,000. For immediate fall sale. #M-328

OPERATING DAIRY FARM

Just listed in Bradford Co. near Troy, PA. Set up for 67 holsteins on pipeline. 800 gal. bulk tank with 6 milking units. 3 silos w/unloaders, huge shop/storage bldg. w/ drive thru doors. 4 bdrm home 80% remodeled. 200+ acres w/heifer barns. JUST $199,000. Will reduce price w/o heifer barns and 20 acres. #M-415.

SHOW BARN/DAIRY FARM

With new 100 head tie stall dairy barn, drive through overhead storage, pipeline milking system, lagoon manure system, separate 100 head heifer & dry cow feeder barn, several silos, home being remodeled on approx. 170 +/- acres. Tioga co. near Wellsboro, $299,000. M-431.

HERITAGE REALTY GROUP INC

1525 Science St, State College, PA 16801
814-231-0101

"FARM PEOPLE SERVING THE FARM COMMUNITY'S REAL ESTATE NEEDS."

Contact: DON C. MYERS
Residence: (814) 422-8111
ROBERT A. CONNOLLY
Residence: (814) 383-4336

FARM & RURAL PROPERTY DIVISION

CENTRAL PENNSYLVANIA FARMS AND FARMETTES

BLAIR COUNTY

#131 FA - GENERAL FARM - TYRONE AREA - $277,500

* 245 Acres (171 tillable; 8 pasture; 66 woodland, 7 site) Very productive tillable land
* Sound 2½ story brick house, tenant house, 67'x122' steel 2-story bank barn, sound garage
* Small pond near house, some Juniata River frontage.

CENTRE COUNTY

#2325 FL LARGE ACREAGE WOODED TRACT - MILESBURG AREA - $698,500

* 1225 Acres - all wooded, substantial public road frontage
* Ideal for use by a hunting club
* Easily accessable from Interstate 80. Has subdivision possibilities. 486 Acres can be purchased for $500/acre

HUNTINGDON COUNTY

#134 FA - RIVER BOTTOM LAND - ALEXANDRIA AREA - $99,500

* 55+ Acres (45 6 tillable, highly productive)
* Ideal for truck cropping and irrigation
* Situated in an excellent location for direct (roadside) marketing

LYCOMING COUNTY

#135 FA - LIVESTOCK & HOG FARM (Convertible to Dairy) - LAIRDSVILLE AREA - $297,500

* 270 Acres (165 tillable; 25 pasture; 85 woodland & site) tillable land is relatively level and productive, good growing season
* Sound, aluminum sided 2½ story home, large bank barn with 60'x120' -one-story attachment, 20'x60' Harvestore silo
* Substantial road frontage and stream frontage. Approx. 25 miles east of Williamsport. Owner will subdivide and sell with reduced acreage.

MIFFLIN COUNTY

#2383 FC - RECREATIONAL - CABIN - NEW LANCASTER VALLEY - $72,000

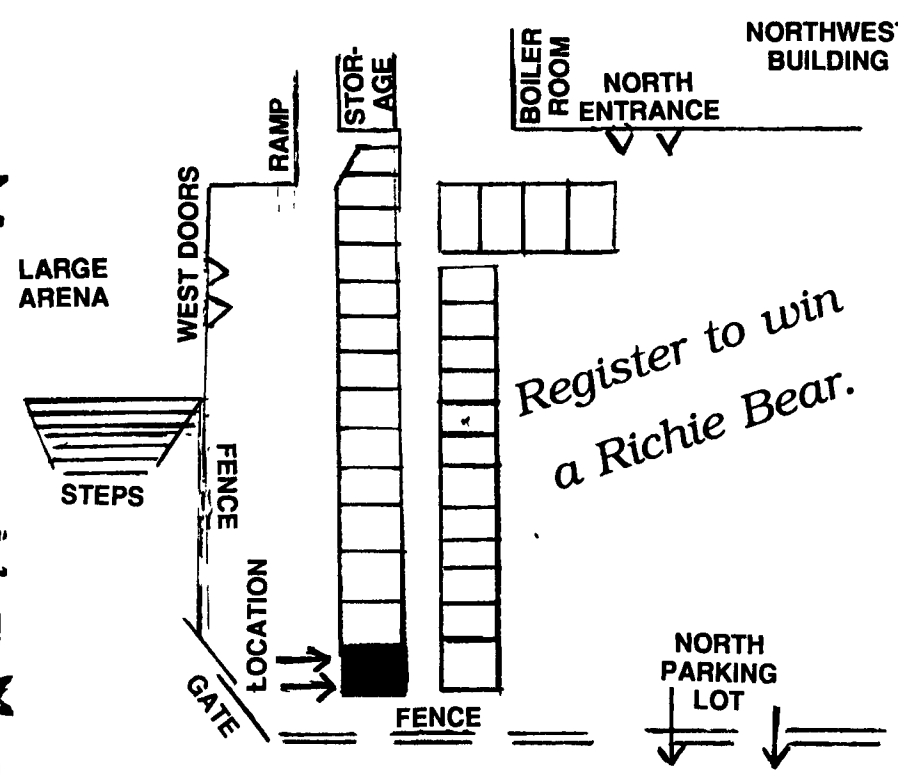
* 21.93 Acre tract, approx. 5 acres tillable, balance wooded, joins state land
* Structures include a 24½ ' diameter cord wood cabin and a 24'x44' double wide home.
* Near Reeds Gap State Park, public road access. Double wide home with 1.62 acres available separately for $27,500.

DETAILED BROCHURES ARE AVAILABLE FOR EACH OF THE LISTINGS ABOVE. THEY MAY BE VIEWED ON VIDEO TAPE AT OUR STATE COLLEGE OFFICE (Many land parcels and cabins available - FREE LISTS)

Rich Brandt Farm Real Estate

"The farm and land specialists"

Stop by and say "hello" during the PA Farm Show



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OR

stop and visit our **2** **new office** locations

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West Lawn, PA 19609
215-678-1122

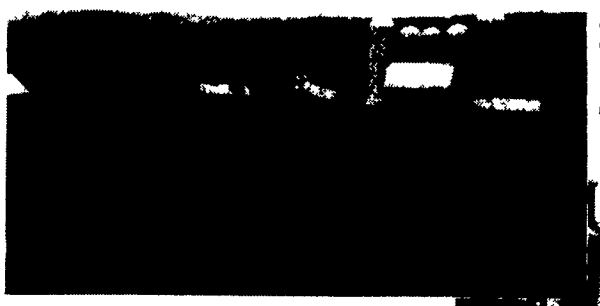
★ ★ ★ ★ ★ ★ ★

2799 E. Cumberland St.
Lebanon, PA 17042
717-274-3622

BRADFORD COUNTY FARMS AND FARMETTES

475 A. Dairy Farm, Columbia Twp.

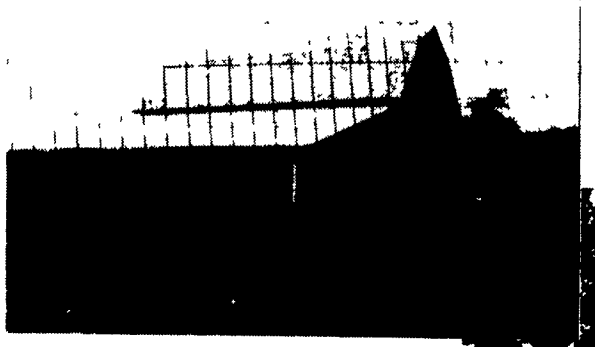
A WELL-MAINTAINED and working dairy operation supported by 300 acres of easily workable and manageable ground. This large-scale barn has 181 comfort stalls - all in great shape, will show your cattle well.



Stately 5-bedroom home and much, much more. This farm shows the profitability of the past, and is set up for your future. For more details - call today. 2731-B

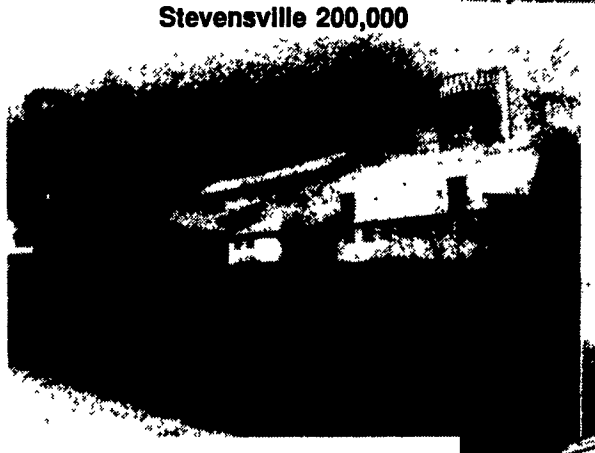
Smithfield Twp. 205,000

COME TO WOODEN HILLS - This 137 acre sheep/horse farm features beautiful rolling meadows, 2 barns, 1 old, 1 new and a central pond.



This quaint country original has been mostly restored with much natural woodwork and built-ins. State Game Lands border on the North, frontage on 2 gravel roads. Worth every penny 2746-R

Stevensville 200,000

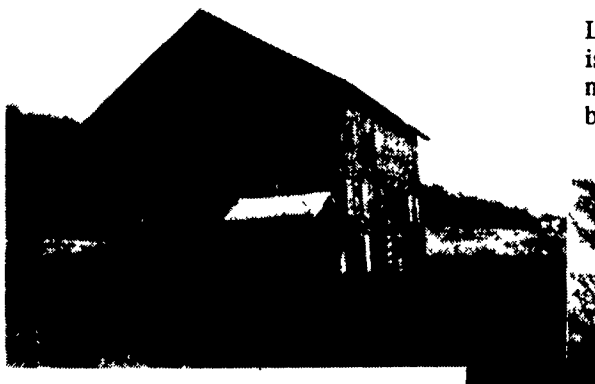


BEAUTIFUL LAYING FARMLAND with 144 acres tillable. A farm that lends itself to a variety of farming operations.

Large farmhouse that features a modern kitchen with cabinets galore, large open living area. Enough bedrooms to accomodate the entire family. 2748-B

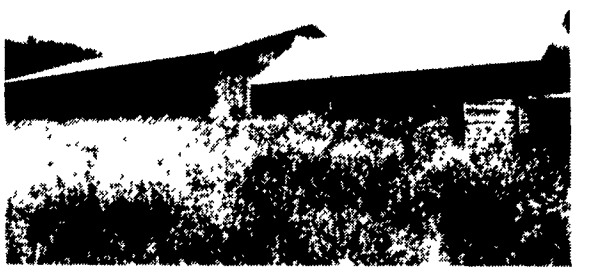
Rone Twp 105,000

LET'S GO DUTCH - Dutch colonial that is. This 4 bedroom family home features a new kitchen, formal dining room and double living room.



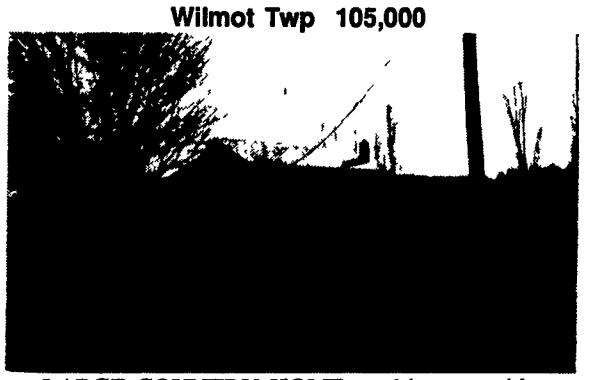
Outside are 57 acres, 40+ are fenced pasture. Rolling terrain, remainder is wooded. Other out-buildings include a grainery, 2 car garage, small guest house and the 3 story barn. 2693-E

Monroe Twp. 124,500



PREFECT HORSE FARM!! 60 rolling acres with modern horse barn, extra large stalls, indoor riding arena, 200 AMP electric and utility room. Comfy 2 BR ranch, large 3 car garage, small pond. Southern exposure, call early. 2263-S

Wilmot Twp 105,000

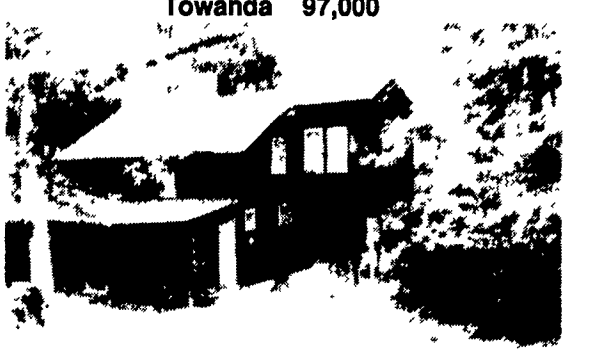


LARGE COUNTRY HOME on 14 acres with large barn that has several horse stalls, small pond, great view!! Buy today.

2698-S

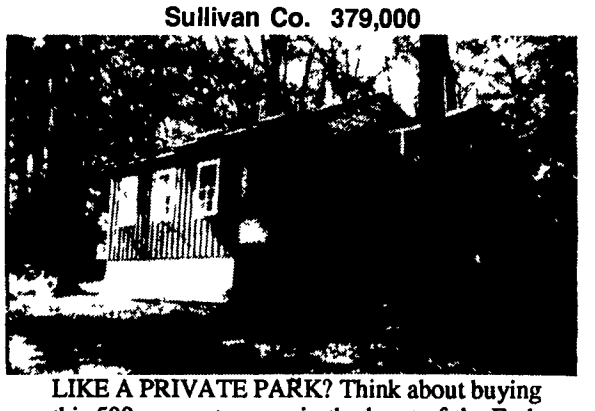
Recreational Properties

Towanda 97,000



LOOKING FOR PRIVACY? This forested Get-A-Way has 90+ acres, trout stream, pond & gated seclusion. Minutes from town and even closer to thousands of acres of gamelands. Don't delay! Call today! $97,000 2712-B

Sullivan Co. 379,000



LIKE A PRIVATE PARK? Think about buying this 500 acre get-a-way in the heart of the Endless Mts. 5 modelrn, fully-furnished cabins, all different. Excellent road access, grassy air-strip for your private plane, and terrific hunting! You'll never find another like this, so call today

2780-S

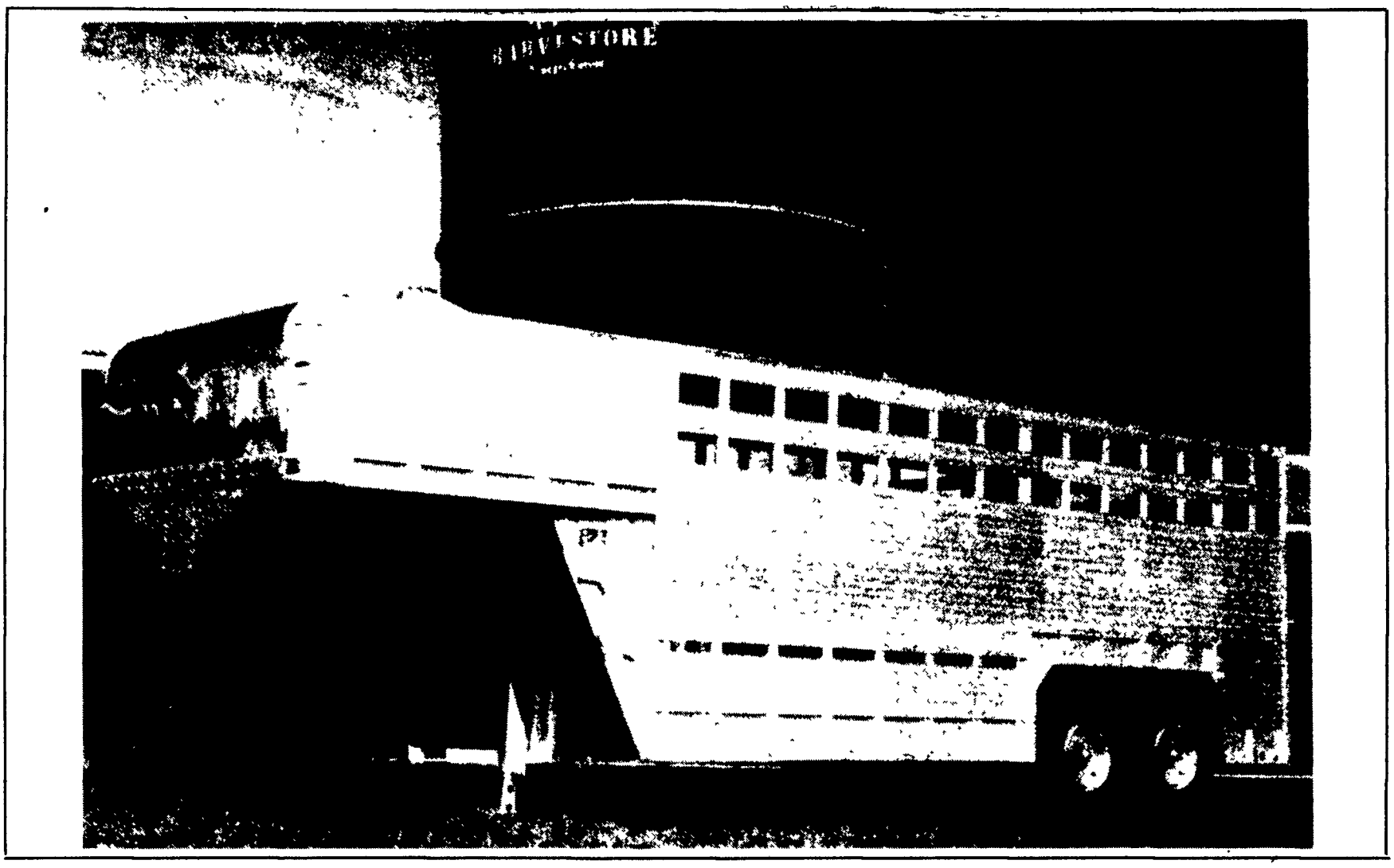
For More Information And A Free Brochure Call Today:

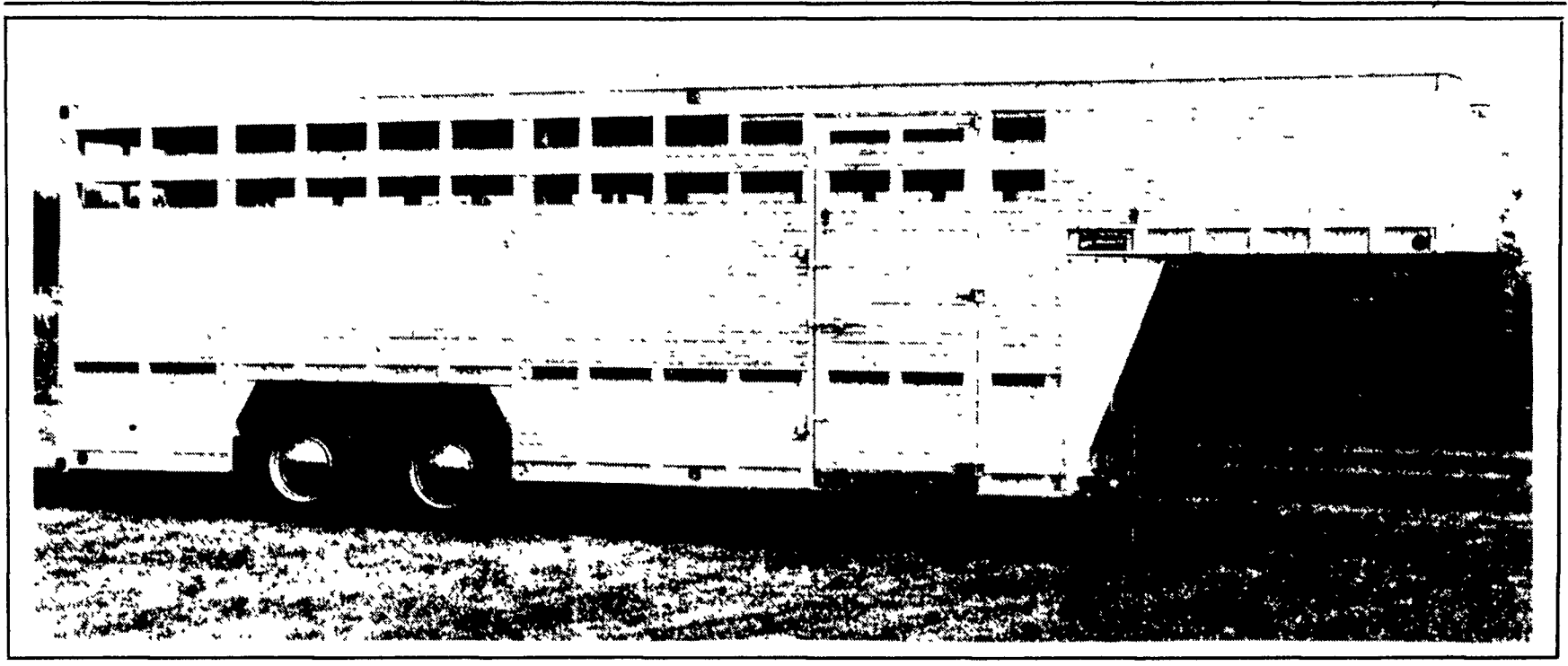
717-265-2100

800-522-7721

Century 21 **Jackson Real Estate**

RD #2 Wysox, PA 18854





Commercial-quality trailers from Eby won't let you down.

If it holds up for the commercial hauler, it'll hold up for you.

MH Eby, Inc.

P.O. Box 127, Blue Ball, PA 17506
717/354-4971

Commercial haulers need durable trailers to withstand constant, heavy use. That's why they choose the products of M. H. Eby, Inc. in Blue Ball, PA.

Every Eby trailer is built for dependable service—even loaded again and again to its listed weight limit. Axles, wheels and tires are coordinated to carry the weight the box will hold. Floors are made of thick diamond-pattern aluminum. The side walls use sturdy extruded-aluminum slat and post construction. And it's all put together right to hold up for years to come.

Eby custom-builds every trailer. There are so many options available, you can practically design your trailer from the ground up. Whether you're a commercial hauler, or only use the trailer occasionally, you get just what you need.

Give us a call. Find out more about the better value for hauling livestock.

See both models at the Pennsylvania Farm Show, outside display area. Lots 12, 13, 14 and 15 at east side of show buildings.

SALES DAYS

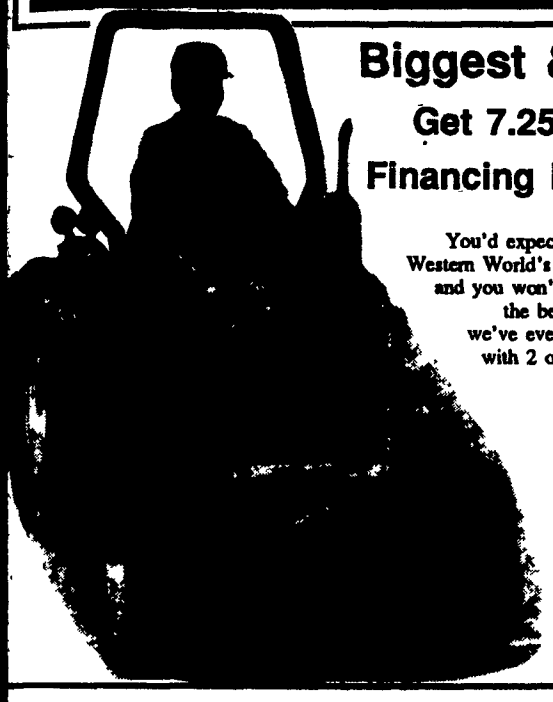
53nd ANNIVERSARY

■ PARTS ■ NEW EQUIPMENT ■ GOOD USED EQUIPMENT

Now thru Jan. 13, 1989

Mon. thru Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon

All Items Subject To Availability



Biggest & Best Sale

Get 7.25% APR M-F Financing For 36 Months

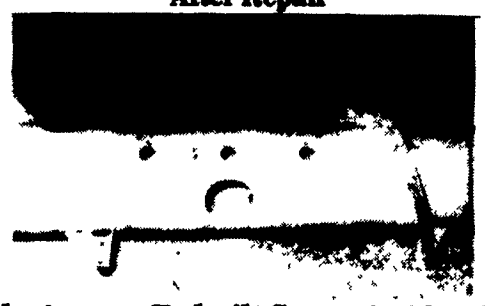
You'd expect the biggest values from the Western World's biggest tractor manufacturer, and you won't be disappointed. We've got the best lineup of compact tractors we've ever offered, from 16 to 35 hp* with 2 or 4-wheel drive and standard or hydrostatic transmissions. And now you can get them with special 7.25% M-F financing. Stop in today and drive home your best deal on M-F compact tractors and implements. But hurry, offer ends January 31, 1989.

* Manufacturer's rated engine horsepower.

SCHMIDT "HEAVY DUTY REBUILT TABLE AUGER"

Before Repair

After Repair



Damaged Or Broken Combine Table Augers Rebuilt Same As New!

No need to purchase a new auger when you can buy one that's rebuilt! Or have your auger repaired for less than one half of the new auger price!

Rebuilt augers are guaranteed to run true! "They are jig repaired."

We Can Rebuild All Makes Of Augers

Call Now For An Appointment & Price Quotation To Have Your Auger Repaired

We Purchased 65 Rental Tractors From Massey Ferguson With Big Savings!

Contact Us Now For The Best Deal On Tractors With Low Hours At Used Prices.

DO NOT WAIT!
We Sold 11 Already
Contact Us
For Low Prices!

90 HP 399 2 & 4 WD
80 HP 398 2 WD
70 HP 390 2 WD
35 HP 1045 2 & 4 WD
31 HP 1035 2 & 4 WD
26 HP 1030 2 & 4 WD

NEW AND USED IMPLEMENTS

Tag	Brand	Model	Machine	Sale Price
NB3976	MF	676	Blower	$2,200
NB3977	Grimm	S-8	Tedder	$1,620
NB6047	Pequea	710	Tedder	$1,275
NB6048	MF	585	P.T. 5-Bar Rake	$2,350
NB6049	MF	775	Swather Auger Head	$700
NB6053	MF	41	Mower	$2,250
NB6072	J-Bar	L C 4	Finger Wheel Rake	$475
NB6074	J-Bar		Disc Mower	$2,500
UP5153	MF	345	Plow	$2,500
UP5131	IH	63	4 Row Fast Hitch Cultivator	$650
UP5919	MF	620	[illegible]	$1,800
UP5921	MF	55	2/16 Plow	$250
UP3973	Landoll	875	11' Field Cultivator	$2,800
UI6006	MF	110	Spreader	$450
UI5972	MF		6' Rotary Cutter	$250
UI			Tye Drill	$8,500
UI6007			Wagon	$100
UB5971	MF	54	Blower	$650
UB5435	MF	3	Baler w/Thrower	$550
UB5133	Lit. Giant		26' Elevator	$600
UB6005	MF	41	Mower	$750
UB6062	JD	336	Baler	$2,200
NI5189	J-Bar		6 ft. Box Scraper	$300
NI5186	York	75	8 ft. 3 pt. Blade	$1,075
NI5182	MF	1028	48" Box Scraper	$320
NI3965	Woods	M721	6 ft. 3 pt. Rotary Mower	$1,050
NI5184	J-Bar		7 ft. 3 pt. Blade	$295
NI5185	J-Bar		8" HD 3 pt. Blade	$750
NI5188	Myer	C-8	8 ft. Snow Plow	$1,400
NI5193	J-Bar		6 ft. 3 pt. Yard Blade	$380
NI5005	J-Bar		Soil Scoop	$175
NI5190	Worksaver	EB6-3	6 ft. 3 pt. Blade	$225
NI5191	Worksaver	RB7582	8 ft. 3 pt. Blade	$700
NI5192	J-Bar	7 ft. 3 pt.	Yard Blade	$295
NI5198	Dunham	30	Loader	$2,750
NI5194	J-Bar		6" 3 Pt. Yard Blade	$380
NI5195	Tr. Blazer		3 pt. Bale Fork	$150
NI5197	Dunham	22	Loader	$3,350
NI3960	Danuser	MD6	Post Driver	$1,650
NI3962	J-Bar	Condor	6 ft. Rotary Cutter	$675
NI3963	Danuser	MS-I	Wood Splitter	$780
NI3969	Brady	5072	6 ft. Flail Chopper	$2,500
NI3976	Woods Dix	M-5-4	5 ft. 3 pt. Rotary Cutter	$900
NI3972	EZ Flow	475	Grain Cart	$6,400
NI3978	EZ Trail	672		$500
NI3979	EZ Trail	872-W		$925
NI3980	EZ Trail	1074		$1,150
NI6040	Woods	RM500	3 ft. Mower	$1,325
NI6054	J-Bar		Condor 6' 3 pt. Rotary Mower	$575
NI6056	Danuser		Post Hole Digger	$675
NI6060	Woods	214	Rotary Cutter	$3,800
NI6075	Woods	RM59	Rotary Cutter	$1,000
NI6076	Woods	RM600	Rotary Cutter	$1,650
NI6077	Woods	Cad. 84	Rotary Cutter	$1,925
NI6078	Woods	Dix M5	Rotary Cutter	$900
NP5200	Sovema	L120	4 ft. Rotavalir	$1,075
NP5108	Sovema	L120	4 ft. Rotavalir	$1,075
NP3970	Dunham	40	12 ft. Culti Packer	$1,725
NP3994	Noble		4-Row Cultivator	$1,700
NP6061	MF	43	2-16 Plow	$800

USED TRACTORS

90 HP MF 399 2 WD	$18,500	120 HP MF 1130	$5,000
90 HP MF 399 4 WD	$22,000	135 HP MF 1150 Cab.	$5,900
80 HP MF 398 2 WD	$18,100	80 HP MF 1080	$5,700
70 HP MF 390 2 WD	$15,900	80 HP MF 1080	$3,800
35 HP MF 1045 2 WD	$8,650	67 HP MF 275	$7,200
35 HP MF 1045 4 WD	$9,950	42 HP MF 235	$5,500
26 HP MF 1030 2 WD	$6,700	68 HP MF Super 90	$1,800
26 HP MF 1030 4 WD	$8,000	Industrial 50 Tractor Loader Backhoe	$12,500
31 HP MF 1035 2 WD	$7,600	82 HP MF 285 With New Tires & Engine Overhaul	$9,500
31 HP MF 1035 4 WD	$8,900		
120 HP MF 1135	$7,500		

USED COMBINES

Tag	Year	Brand	Model	Sale Price
UC4908	74	MF	510 Combine	$3,500
UC5117	70	MF	510 Combine	$2,800
UC4821	74	MF	760 Combine	$7,500
UC4893	77	MF	750 Combine	$14,000
UC4928	77	MF	750 Combine	$12,000
UC5107	75	MF	750 Combine	$7,500
UC3144	80	NI	801 Combine	$17,500
UC4935	78	JD	7700 Combine	$9,000
UC5174	78	MF	760 Combine	$14,000
UC5151	69	MF	510 Combine	$3,500
UC5476	75		510 Combine	$2,000
UC3085	74		760 Combine	$7,500
UC5560	78	MF	760 Combine	$14,000
UC5931	73	MF	760 Combine	$10,000
UC5952	80	MF	760 Combine	$20,000
UC5934	73	MF	510 Combine	$8,500
UC4908	73	MF	510 Combine	$5,500
UC5985	76	Gleaner	F2 Combine	$3,500
UC5930	77	MF	760 Combine	$5,500
UC5994	72	MF	510 Combine	$1,900
UC4825	84	MF	850 Combine	$25,000
UC	84	MF	850 Combine	$25,000
UC5999	81	MF	540 Combine	$12,000
UC	77	MF	760 Combine	$10,500
UC6001	70	MF	410 Combine	$2,500
UC6063	75	JD	4400 Combine	$2,800
UC6064	75	MF	750 Combine	$7,500
UC6066	78	MF	760 Combine	$12,000
UC6071	79	MF	760 Combine	$15,000

Annual

SPRING AUCTION

Two Days - March 20 & 21, 1989

MASSEY-FERGUSON

M.M. WEAVER & SONS, INC.

Leola, PA 17540 (717) 656-2321

Located: 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

1 FARM EQUIPMENT

12 volt battery operated pump w/250 gallon fuel tank, $150.; 1972 4430 JD tractor w/8' loader, worked livestock farm only, $15,000.; Snow blade, $200.; 55 gallon Prestone antifreeze, $150.; 55 gallon aluminum asphalt paint, $300.; Galvanized hog feeders, feeds 10 each, holds 2 yards of feed, $69. each, buy lot of 10 for $50. each. 301-255-4567 after 5:30 p.m.

140 Farmall w/hydraulics w/hyd. driven belly mounted sickle bar mower, rebuilt engine, real nice, $3,250. 717-423-6719

1845 B Case Skid Loader, low hours. Call 717-738-1742.

18' heavy duty JD disc, $4,250. 201-859-2616

1951 Ford 8-N with front snow plow, collector condition, 1400 hours also 3 pT post hole digger with 24" auger, (717)859-1101.

1968 IH S/A gas truck tractor, $1000 O.B.O.; Kentucky S/A flatbed trailer, 28', bed needs replacement, 11,000 GVW, $1200.; Hughes S/A Low-Boy trailer, 22,000 GVW, good condition, $2750.; Berks, 215-926-2187 Steve.

1970 JD 4020, Hiniker cab, dual hydraulics, 18.4x38 tires $9000. 609-455-3462.

1976 Ford F350 stake body, factory rebuilt 390 motor, PS, PB, great farm truck in good shape. (717)426-2431.

1979 JD 4240 SG cab, 18.4x38 tires, QR, dual hydraulics $19,000. 609-455-3462.

1984 JD 4250 MFD, power shift, 26.8x38 tires, 590 hrs. $42,500. 609-455-3462.

1986 John Deere 2550, 65 h.p., 15.5x38 tires on rack & pinion axles, 350 hrs., dual remotes, hi-low shift, rollguard & canopy w/146 loader, single lever control, just like new, $17,750. 203-735-1492

1987 Case International 1594, 260 hrs., 12 spd., power shift, 85 h.p., rollbar dual remotes 18.4x38's on power adjust wheels, $15,000. 203-735-1492

2-row tree transplanter with water tank, $500. (215)582-2197.

325 2 row corn picker, 327 husking bed, 329 super sheller, JD 7000 corn planter 4 row no till w/ monitors, $4,800. 717-833-4567. John.

5-16" 8-lug Chevy truck wheels. Four with 7.50x16 regular tires. 1978 GMC 1-Ton rear complete. 1 eight foot stepside bed and cap. 1 GMC stepside tailgate. (215)756-6384.

54" Super Scoop for 3PT tractor, ideal for moving ground or snow, brand new, $375. 814-364-9333.

55 Michigan loader, $5,500, 2400B IH; Backhoe-loader $5,000, IH 706D, WF3pt, tractor, 12' dumpbed scissors hoist off '87 1Ton truck, $2,000, 10:00x20 truck chains, singles $35/set, triples, $90/set, 5mi N of Liverpool on Rt.104. (717)444-3958.

'63 Dodge D500 series, 10' dumping stake body with new deck, new sides, 19,800# GVW, 318, V8, 4SP/25P possy rear, new PTO shaft and very good rubber, $2,995. (215)582-2197.

LOADER ATTACHMENT new Great Bend, fits most 30 to 60 h.p. tractors w/ wide bucket & valves, $1,850. 301-833-9091

LOADER TRACTOR MF 203, 3 pt., PTO, recent engine, $4,200. 301-833-9091

'66 Jeep, 4WD, snow plower and Davis D100 backhoe attached to back. Everything is operational and very low hours on trans, complete motor rebuilt, $3,500. (215)582-2197.

705 Uni system w/767 super chopper, together or separate. 717-597-5623

'87 F150 Super cab, XL 300, 6 cyl., fuel injection 30,000, $7,400. Walker's, Somerset Co., 814-893-5589.

87 Ford, F150, 4WD, 302 fuel injection, HD, 4-speed, 17,000 miles, $8,200, Somerset Co., Walker's, (814)893-5589.

'88 F150 300 6 cylincer, fuel injection, 4 WD, 5 speed, 10,000 miles, $9,300 cash. Walker's, Somerset Co., 814-893-5589.

9N Ford, front end loader & backhoe, new tires, paint, much more, Best Offer. Call around noon. 717-743-8298

AC 3500 Series dsl. engine, Mark I, good condition $4250 exchange. Balanda Eq., Palm, PA 215-679-3900.

AC 6060, 1900 hrs.; 2 flatbed wagons w/8T gear; two 165 bu. corn boxes; NH hay rake; hay tedder; NH blower; NI 1R corn picker; 400 gal. milk tank & compressor. 717-862-3497 after 5.

AC HD7GB w/ROPS and sweeps, dismantling for parts. Balanda Eq., Palm, PA 215-679-3900.

Allis Chalmers 50-50 FWD, 51 hp diesel w/loader, 2200 hrs. 717-626-1386.

BACKHOE IH 260A, cab, extend-a-hoe, very nice, $8,700. 301-833-9091

BALER JD 347, sharp, $5,500. 301-833-9091

Before bying your new bale-elevator, ventilating fans, cowmats and Show-Ease-Stalls, check our new COD prices. (717)738-1718.

Belsaw 40" circular sawmill, wood base, PTO, never used, $2,000. Dauphin Co. 814-856-2973

Belt-drive Ford, 3PT wood saw, $75; 3PT Blackhawk corn planter, good condition, $150; 3PT Ferguson cultivator, $125; Ontario 10 hoe grain drill, good condition, $85. (717)534-1253.

Case backhoe 580B with cab, $8,500/offer. (301)335-4189, eve. (301)335-5920.

Case LA w/belt pulley, on steel wheels, hauling available. 301-582-1927.

Cat. AP-200 asphalt paver, Deutz diesel eng., brand new tracks, excellent condition, $15,000. 215-459-2613.

Complanters: 2 and 3 row with John Deere Max-Emerge II units. Plateless or vacuum. 3-Point or pull type. Tifone air-blast sprayers. Reasonably priced. Pequea Planter, 561 White Horse Rd., Gap, PA 17527. Lancaster Co.

JD 7000 conservation 4-row complanter with insecticide, dry fertilizer, and filling auger, and monitor, excellent condition. JD 7000 4-row cornplanter with liquid fertilizer and monitor, excellent condition. JD 4-bottom plow semi-mounted, hydraulic reset, excellent condition, hillside hitch. (215)779-3284.

JD model 3010 diesel, NF, good condition, $3500. 717-532-7054.

JD model 400 backhoe in good condition, $6,500. (717)532-7054.

JD stack & bale carrier, on rubber & hydraulics, like new, $895. 717-273-6018

John Blue 300 gallon sprayer L3000 pump, 40' booms, aluminum tank. Chester Co. 215-932-5873

CRAWLERS
PARTS BY THE 1000s
Cat, AC, IHC, JD, Terex, Oliver and Komatsu.
RUBBER TIRED LOADERS ALSO
If we don't have it — we will find it...
Free parts locator service available.
LOMBARDO EQUIPMENT
Sinking Spring, PA
215-678-1999

CRAWLER TRACTOR PARTS
New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.
Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders. Call or write for equipment and parts brochure.
VILSMEIER EQUIPMENT, INC.
Route 309
Montgomeryville, Pa. 18936
Phone: 215-699-3533

Deutz D100-06 $5,500 or best offer. Perry Co. (717)536-3467.

Dillinger hammer mill, $50; 1000G Slurry spreader $500; 1936 Dodge engine. (215)286-5530.

Farman pasture renovator, brand new. Half Price. $2,000. or Offer. 301-833-1847

Farmers = Dealers -- Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164.

Fast hitch IH140 complete, $200, OBO. (215)582-2197.

FMC 1-row sweet corn harvester, Ford industrial engine--Ag-pak 24", vegetable hot waxer. (609)561-2586.

FOR SALE: 2300 gal. Better Bilt honey wagon, 1 yr. old. Must Sell. 804-442-2024.

FOR SALE: F30, bad engine, $350. 215-683-7943.

FOR SALE: Heavy 6, 8 and 10,000 gal. tanks for water storage, manure or irrigation. Will make ideal root cellars if burned. Only 40 cents a gallon. John L. Stoltzfus, RD1, Box 212A, Atglen, PA 19310.

Ford 3400 loader, cab, 6-speed, 3pt PTO, $7,500 OBO. (215)838-8636.

Ford 7000, cab, weights, new rubber, $6,800. 301-833-9091

Ford 8000 farm tractor, 110hp, cab, heat, 18.34 snap-on duals, very clean, $6,800/obo. 814-736-9080, 736-3134.

Ford 871, MF TO-35, MF TO-30, Ford 8W, Ford 9N, Farmall 300, Oliver 70WF, AC CAWF, MF TE-20, Ford 671, w/loader, Ford 8W w/ loader, MF 65, Satoh 650, Farmall cub, 8' rake, NI spreader, Ford 6000, "some" "tractors" "as-is". (215)847-5907.

For most any combine, chopper or corn & grain heads. Call Larry Stalter, "The Chopper-Combine Man". 1-800-248-2151

For Sale: 1988 Polaris Trail Indy, Deluxe, 200 mile new condition. (717)426-3135.

For Sale: 544 IH, gas, in excellent working condition; also bale wagon with cattle racks on 8 ton chassis. 717-653-5663.

For Sale: 600 Bobcat skid loader, $2500. 717-776-7725.

For Sale: AC 6080 tractor, excellent condition, cab, air, heat, 850 hrs., faithfully maintained, dynamometer test over 90 h.p. $15,000. Neg. Delivery Available. Call 717-529-2694

Late 5720 SP chopper, 437 hrs., 4x4, 7', almost new, $60,800. Larry Stalter, "The Chopper Man". 1-800-248-2151

LOADER ATTACHMENT JD 145 w/wide bucket & valves, $2,400. 301-833-9091

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For Sale: New Holland #354 grinder mixer; White #543 4 row no till corn planter; New Idea #327 corn picker two row; Grain bin wagons. Excellent equipment. York Co. 717-432-3238

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IH 3688, cab & air, 1 owner, low hrs., must see, $18,500. 301-833-9091

IH 460 diesel, WF, FH, good tires. Cumberland Co., 717-423-5987.

IH 5-bottom plow, all new bottoms, hillside shift, $500. 814-736-9080, 736-3134.

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MF 1130 diesel with roof, good condition, $5,500, bought cab tractor; tandem axle NI spreader, $650; IH elevator, good condition, $450. (717)534-1253.

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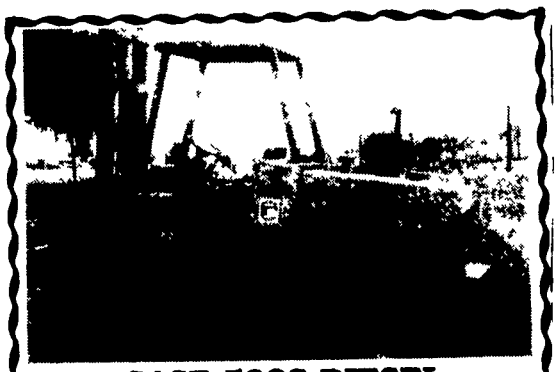

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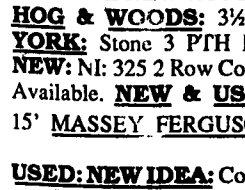

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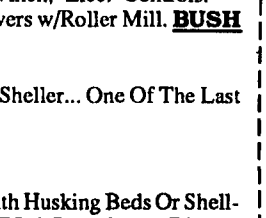

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JD 2800 5-btm. plow, on the go variable width, $5,600. Snyder Co., 717-837-0724.

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JD #48 loader, HD materials bucket; JD hay rake 9'. Cumb. Co. 717-243-9031

JD 5020, syncrorange dual hydraulics, excellent condition, Bradford Co., 717-265-8801.

JD 6R electronic vegetable thinner. 419-274-4872.

JD 7000 conservation planter, 6R, frame mounted coulters, dry fertilizer w/auger fill, almost like new. 717-872-5007.

USED EQUIP.

JD 4010 Tractor w/WF
JD 2640 Tractor
JD 2440 Tractor w/Ldr.
Farmall A Tractor w/Sickle Bar Mower
JD 8300 Grain Drill
JD 4420 Combine w/Platform
JD 45 Combine w/2R C.H.
NH 495 Mower Conditioner
JD 1240 Corn Planter
JD 6620 Sidehill Combine w/215 Flex Platform
NI Silage Blower
JD 716 Forage Wagon
JD 3800 Chopper
JD 38 Chopper
JD 34 Chopper
JD BWA Disk
JD 35 Chopper
JD 7000, 6R Cons. Planter
JD 660 Manure Spreader
NH 276 Baler w/Thrower
NH 890 Chopper
JD 1327 Mower Conditioner
NH 489 Mower Conditioner
John Blue 400 gal. Applicator
JD 1450 5 btm. Plow
JD 8350 18x7 Grain Drill
JD 24T Baler w/Ejector
JD 660 Manure Spreader

ENFIELD EQUIPMENT INC.
Whiteford, MD 21160
Ph: 301-452-5252

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TRACTORS
Special

IH 1086 with cab & air, 3300 hrs., runs good, low side of TA out and park $9,000

AC 7580, 4WD, cab & air, 3 Pt., PTO, duals, well maintained, nice $16,800
JD 7020 4WD (SOLD) p. PTO $8,900
JD 3120 ..... $7,500
Case 830 dsl. $3,200
AC 210 diesel $4,600
Oliver 1750 (SOLD) Cab $4,200
Hesston 10 Stacker $800

LOST CREEK IMPLEMENT
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Between McAlisterville & Mifflintown
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NEW TRACTORS IN STOCK

33 h.p. 1050	85 h.p. 2955
45 h.p. 2155	95 h.p. 3155
55 h.p. 2355	105 h.p. 4050
75 h.p. 2755	120 h.p. 4250
	140 h.p. 4450 MFWD

Interest Free Till July 1, 1989 or 0% Financing For 18 Months Or Low Rate Financing Up To 60 Months

USED TRACTORS
JD 2240, MFWD, 1,100 hrs., like new
JD 950, RG, sharp, $6,900
JD 2350, diesel, 55 h.p., 2,000 hours, excellent
Ferguson 40, 40 h.p., gas, WF
JD A tractor, $800
1953 Ford Golden Jubilee, good
JD 2010 parts tractor
(3) Used front blades for JD 650 thru 1050

COMBINES
'80 JD 6620 Side Hill, excellent, loaded
'79 JD 6620 Side Hill, very good, loaded
JD 6600 Side Hill, hydro, very good
JD 7700 turbo, 15' platform, good, $18,000
JD 4400, cab, AC, 13' platform, very good, $10,000
MF 760 Hydro, 1163 CH, 15' platform, $17,000, very good
(2) MF 410 w/cab, platform, $3,500 each
MF 510, cab, dsl., platform, Reduced $3,500
NH 975 w/platform, cab, $3,500
AC L630 corn head, excellent, Reduced, $4,500
(2) MF 44 corn heads, $1,500 & $2,500
(2) MF 43 corn heads
JD 444 corn head
JD 215 flex platform, like new
NI 325 sheller, 2 row 30" good, $2,900

(2) NEW JD 6620 Sidehill Combines In Stock
Interest Free On New & Used Till Sept. 1, 1989

JOHN DEERE

USED FARM & LAWN EQUIPMENT

JD 68 Riding Mower 8 HP w/34" Mower
JD RX95 Riding Mower 12-5 HP w/30" Mower & Bag
JD 111 Lawn Tractor 11 HP w/38" Mower, Like New
JD 160 Lawn Tractor 12-5 HP w/38" Mower & Power Flo Bagger
JD 210 L&G Tractor 10 HP w/46" Mower, Repainted Like New
JD 316 L&G Tractor w/46" Mower
(2) JD 318 L&G Tractors 18 HP w/Mowers (Price Reduced)
JD 332 Diesel L&G Tractor w/50" Mower
JD 755 4 WD 225 Hrs., Excellent Condition (Price Reduced)
JD 50A 4-5 Ft. 3 Pt. Box Scraper
(2) JD 261 3 Pt. Grooming Mowers w/Gauge Wheels
(2) 40 Front Blades For 60-70-100 Tractors
37A Snow Thrower for Late 110-112 200 Series

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JD 1530 Diesel Tractor w/Hi-Lo & 143 Loader $9,500
Pequea 7 Ft. PTO Hay Tedder $1,495

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USED EQUIPMENT

TRACTORS
Case 800 Dsl.
IH Hydro 84
IH 460 Gas
IH 240
IH 1086 w/Cab
IH 884 Dsl.
IH 234 Dsl.

HARVESTING EQUIPMENT
IH 820 Flex Head 16½'
JD 6620 Sidehill Combine w/6RN C.H. & 16' Grain Head

SKID LOADERS
Case 1845 Gas
Case 1737 Gas
IH 4150 Dsl.
OMC 330 Gas

TILLAGE
MM Field Cultivator
Dunham Lehr Cultimulcher
JD RWA Disc Harrow
IH 37 Disk Harrow
Oliver 10' Disc Harrow
IH 450 Plow
IH 55 Chisel Plow

PLANTING & SEEDING
Ford 411 Planter
Oliver 543, 4R Planter
IH 510 Grain Drill
IH 10 Grain Drill
JD 1240 4R Planter
White 5400 Planter

MATERIAL HANDLING
Farmec 30' Elevator
NH 36' Elevator
Speed King 36' Elevator
Jet Flow 28' Auger
NI 214 Manure Spreader
JD 54 Spreader
NH 371 Flail Spreader
NI 213 Spreader
Clay 1500 Spreader Tank

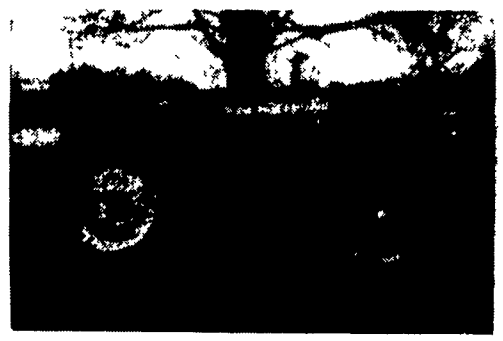
UNI EQUIPMENT
709 Power Unit
702 Power Unit
717 Combine
767 Forage Harvester
838 Husking Bed
768, 3R Corn Head

HAY & FORAGE
OMC 590 Round Baler
Case 220 Square Baler
Gehl 99 Blower
IH 56 Blower
NH 30 Blower
Fox 2200 Forage Harvester
Fox 1000 Forage Harvester
Fox 3000 Forage Harvester
OMC 230 Mower Conditioner
Gehl 1090 Mower Conditioner
IH 990 Mower Conditioner
NH 479 Haybine
Pequea 710 Hay Tedder
Brady 722 Flail Chopper
Dion 16' Forage Wagon
Vicon 3PT 4 Wheel Rake

CHAMBERSBURG FARM SERVICE, INC.
975 S. Main St. Chambersburg, PA
(717) 264-3533

case IH

Year End Clearance Sale



John Deere 2950, 4x4, 1492 Hrs., 18.4-38 Tires, Dual Hyd., Like New
$19,500

Deutz 7206, 6,298 Hrs., New 18.4-30 Tires, Good Condition
$6,900

DEUTZ:
7206 $6,900

WHITE:
2-105 $4,900

OLIVER:
1655 $4,200

IH:
84 hydro, loader $ 9,500
186 hydro, cab & air $10,500

MF:
2675, 24 spd., 4 post $ 7,500
2745, 8 spd., duals, cab & air $ 7,500
3545, 4x4 $22,250
285 $ 7,900
285 $ 6,500
275 $ 5,900
275 $ 6,200

JD:
4020 SC $7,250
2950 4x4 $19,500

FOR SALE

MF 1143 corn head
MF 43 corn head
JD AW disc
Plow down attachment for liquid spreader
MF 540 combine
MF 540 combine, 480 hrs., w/flex head & 1143 corn head
Oliver 3 btm. plow
IH 10 tooth chisel plow
IH 830 forage harvester
IH 720 forage harvester
NH pickup head

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Ephrata, PA
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Best Buys in Used Equipment

TRACTORS
- Ford TW20 4WD w/Cab & Air, Good Condition
- Farmall Cub w/Mower
- JD 4630 w/Cab, PS, Ex. Cond.
- Farmall M
- Ford 801 w/Front-End Loader
- IH 656D Hydro

SKID LOADERS
- NH 775D, Good Condition
- NH 779D w/Bucket
- IH 3300B w/Bucket

HAY & FORAGE
- NH 276 Baler w/56 Thrower, Good Cond.
- NH 1495 Self-Propelled Haybine w/AC, Cab, Diesel Engine w/Hydrostatic Drive
- NH 892 Forage Harvester, Electric Controls w/2 Row Cornhead
- NH S717 Forage Harvester w/2 Row Cornhead
- Gehl 66 Forage Blower
- Hesston Stak Mover
- NH 67 Wagon
- Int. 915 Combine For Parts, Engine Excellent, 407 Turbo Charged, 810 Grain Platform, 763 Six Row Cornhead
- NH 890 Forage Harvester w/2 Row N Cornhead
- NH 489 Haybine, Like New
- AC Forage Blower
- Hesston 1010 Hydro-Swing, 9 Ft. Cut
- New Idea 323 Single Row Picker
- New Idea 310 Single Row Picker
- NH 51 Forage Box Wagon, Good Cond.
- IH 51 Forage Box For Parts
- PTO Grimm Hay Tedder, Good Condition
- NH 258 Hayrake, 1 Yr. Old
- NH 326 Baler w/Hydraformatic, Used 1 Season
- Farmhand Grinder-Blower
- NH 479 Haybine
- NH 499 12 Ft. Hydra Swing
- NH 268 Baler w/Chute, Very Clean
- NH #30 Blower, 1000 RPM, Excellent
- NH 67 Baler

PLANTING & TILLAGE
- Oliver 4BT Auto. Reset Plow
- JD 5 Bot. Auto Reset Plow
- Brillion 10' Packer
- Howard 5-Shank V Sub Soil Chisel
- 8' Drag Harrow
- IH 56 Planter, 4 Row
- Dunham 16' Packer w/Transport
- IH 10' Transport Disk Harrow
- Brillion 10' Culti-Mulcher, Used Only 10 Acres
- Brillion 16' Transport Harrow w/Wings
- IH 37 Disk, 10 Ft.
- Ford 8' Transport Disk Harrow
- AMCO Disk Terrace Plow

SPREADERS
- 200 Gal. Sprayer w/30' Boom
- IH 550 Spreader w/Hydr. Endgate
- NH 658 Tandem Axle Tank Spreader
- NI 218 Tandem Axle w/Hyd. Gate, Good Cond.
- NH 791 w/Hydraulic Endgate

MISC.
- Mix-Mill Model D, 5 H.P. Electric Motor, Brand New- In The Box! $4,350
- Corn Drag Elevator
- NH 364 Grinder Mixer
- Brady 6630 Flail Shredder, 15' w/Windrow Attach.
- NH 357 Grinder Mixer, Excellent
- NI Flail Shredder

NH 1499 SP Haybine, 12 Ft. Head Only 117 Hrs.	NH 1900 Forage Harvester, 4WD, 4 Row Cornhead, Pick-Up Attachment, Excellent Condition

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CASE IH MAGNUMS 7110 & 7120

130 Horsepower, 4WD

Special Deal- CALL TODAY!

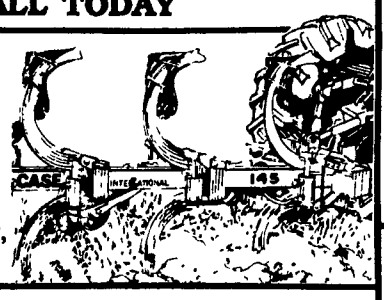
Featuring: Dual PTO Shafts, 540/1000

SPECIAL DEMO UNIT
MAGNUM 7130 175 H.P.
CALL TODAY

CASE IH HUSKY ROLLOVERS

Time Savers On Turns

In Stock- Model 145 Rollover, 3 Bottom Plow, Automatic Reset



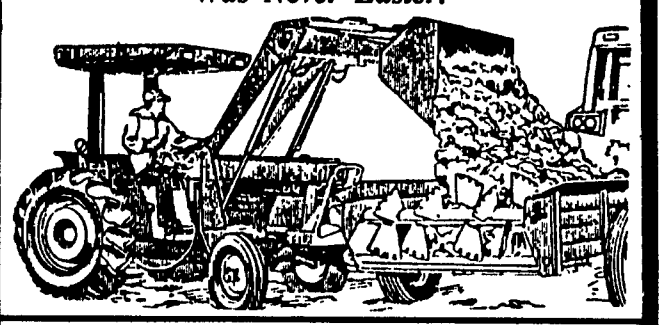
WAIVER OF FINANCE TIL MARCH 1, 1989

0% Financing For 12 Mos.	7.5% Financing For 48 Mos.
5.5% Financing For 24 Mos.	9.5% Financing For 60 Mos.
6.5% Financing For 36 Mos.	*Or Cash Rebates!*

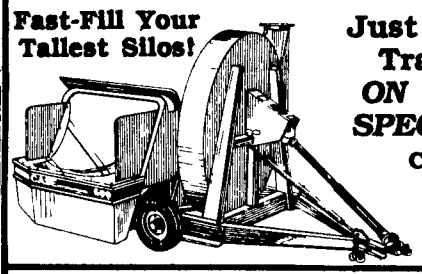
See Us At The Case IH Display At The PENNSYLVANIA FARM SHOW!

CASE IH 585 52 H.P., 4WD w/CASE IH 2250 MOUNT-O-MATIC

Mounting & Dismounting Was Never Easier!



Fast-Fill Your Tallest Silos!



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Case International 600 Forage Blowers

CASE 1818, 1835 & 1845 UNILOADERS

In Stock- Ready To Go!

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Waiver Of Finance - Low Rate Financing Or Big Cash Rebate

LOOK FOR OUR OPEN HOUSE
Jan. 30, 31, Feb. 1, 2, 3, 4

JANUARY

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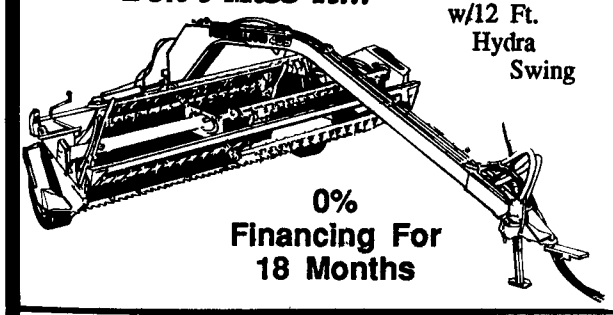
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31		February 1	2	3	4

NEW HOLLAND

N.H. MODEL 499 MOWER/CONDITIONER

Don't Miss It...

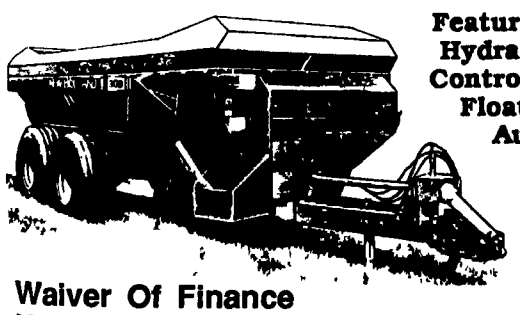
w/12 Ft. Hydra Swing



0% Financing For 18 Months

THE SIDE DELIVERY MANURE SPREADER THAT DOES IT ALL

Featuring: Hydraulic Controlled Floating Auger



Waiver Of Finance Until June 1, 1989

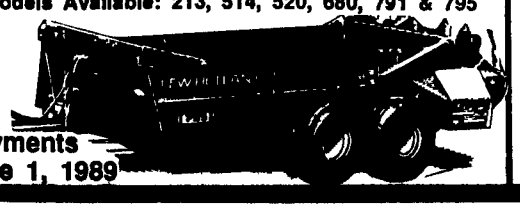
N.H. 308 w/2275 Gal. Capacity

N.H. 795 SPREADER

w/Hyd. Gate, Splash Guard, Top Beater

Built For Heavy Duty Hauling

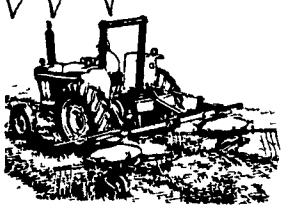
Other Models Available: 213, 514, 520, 680, 791 & 795



No Payments Til June 1, 1989

0% FINANCING 18 MOS.

N.H. 311, 316 & 326 BALERS

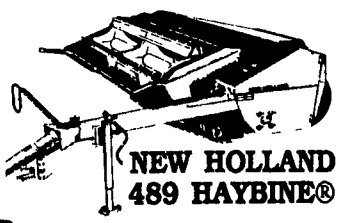


162 HAY TEDDERS
256 RAKES
258 RAKES
254 RAKE TEDDERS

N.H. 355 GRINDER MIXER

Featuring:
- Hydraulic Drive
- Electronic Scales

Waiver Until June 1, 1989



NEW HOLLAND 489 HAYBINE®

NEW HOLLAND 411 DISKBINE®

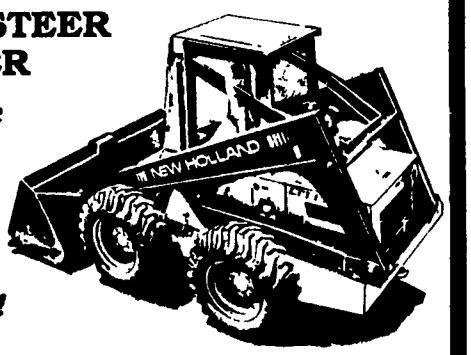
N.H. 1499 MOWER-CONDITIONER

CUT LOW: CLEAN WITH ON-THE-GO HYDRAULIC ANGLE CUTTER BAR

GET YOUR BEST DEAL NOW- 3 SOLD- ONLY A FEW LEFT

N.H. L553 SKID STEER LOADER

We Have A Deal You Cannot Resist CALL US!



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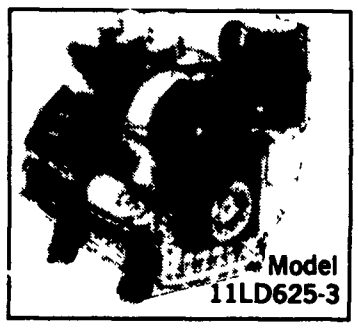

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LESS DOWNTIME THAN GAS ENGINES

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Martinsburg, PA
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- JD 2950, 38" rubber, excellent
- JD 2550 w/loader
- JD 4240, cab & air, quad range
- JD 2940, cab & air
- JD 2940, 4 WD..... $15,500
- JD 2940, 2 WD, sharp $13,000
- JD 2840, excellent
- JD 2640, 1980, sharp
- JD 4430, power shift, fender tractor
- JD 4030
- JD 4020, original paint, narrow front $6,750
- JD 3020 diesel
- Oliver 1850 diesel $6,000
- IH 1066, New torque, excellent $7,500
- IH 560 diesel
- Farmall 340 w/2 btm. plow
- AC 200.....$4,500
- MF 124 baler w/kicker
- JD 450 w/blade.....$8,750
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- JD 450 Crawler Loader
- JD 450B Crawler Loader
- JD 450B w/6 way blade
- JD 450C w/6 way Blade
- JD 310A Backhoe, 78 model
- Bobcat 825 diesel
- Bobcat 643 diesel
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- JD roll guard cab.....$1,000

COMBINE
750 MF Hydrostatic, 1163, 6R corn head, 14' grain table. One owner.
$12,500
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USED EQUIPMENT
- 856
- 560 Dsl. WFE
- 826 D Cab Turbo
- 664 D RC w/2250 Loader
- 544 Dsl, Hydro
- (2) IH 154 LoBoy w/ mowers
- BN Tractor
- IH 606 D 3 Pt.
- F300 Gas
- Farmall Cub w/Belly Mower
- Allis B w/Woods Belly Mower
- Farmall Super MTA
- Farmall C
- Farmall M
- IH 370 Disk 12'
- JD 13' Disc
- 10' AC Chisel
- 16' Field Cultivator
- PTO Hydraulic Roll Mill
- Used Cadets 10HP to 20HP
- NI 323 Corn Picker

NEW EQUIPMENT
- Amco Disk 10½'
- Woods Mowers
- Cub Cadets & Access.
- Westfield Auger 8"x51'
- 2 pt. & 3 pt. Conversion Kits
- 8 ton & 10 ton Demco Wagons
- Demco 500 gal. Sprayer
- Worksaver 12" Post-hole Digger
- Hay Tedders
- 3 Pt. Grader Blades
- Cam Sprayers
- Cement Mixer, 3 Pt.
- Honda Engines

SMITH FARM EQUIPMENT
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Perry County
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- AC D14 Tractor
- 844 N Corn Head
- NI 843 N Corn Head
- NI 800 Power Unit w/717 Combine
- NI 213 Single Beater Spreader
- NH 518 Manure Spreader
- NH 56 Rake

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Ephrata
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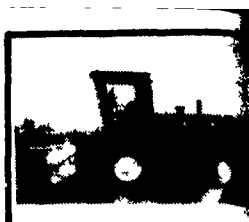

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- Ford 3910 w/Cab
- Ford 7710, C.A.
- Ford 7700 w/Cab
- Ford 6600, 4WD
- Ford 5610 w/Ldr.
- Ford 3910
- Ford 3600
- Ford 3400 w/Loader
- Ford 2600 G
- Ford 2000 LBH
- Ford 1910 4WD
- Ford 1900 w/Ldr.
- Ford 1310 4WD
- Ford 1300 w/Ldr.
- Ford 4600 Dsl.
- Ford 1300 w/Mower
- Ford 801, P.S.
- Ford 555B LBH
- Ford 445 w/Loader
- Ford 4000 D PS
- Ford 3910 4x4 w/ Ldr.
- JD 1020 w/Loader
- JD 2010 GNFE
- JD 1020 D
- JD MT
- IH 574 w/Loader
- H 300 w/Ldr.
- IH 154 w/Mower
- MF 30B LBH
- Ford 5600 4WD, Loader
- Ford 420 w/loader
- Ford 4000 w/ Loader
- Ford 2810 600 hrs.
- Ford 2110 500 hrs.
- Ford 535 LBH
- Ford 1600 w/ Loader
- Kubota L245 4x4
- DB 1200
- MF 1130
- AC 5020
- AC 160 D
- NI 323 Picker

MASSEY-FERGUSON
Where farmers' ideas take root.

USED EQUIPMENT
- MF 50 Tractor
- MF 1130 Tractor
- MF 275 Diesel Tractor
- MF 2675 Diesel Tractor 103 HP.
- MF 760 Combine
- Ford 9N Tractor
- AC 6080 Tractor
- NI 212 Manure Spreader
- Farmall Super C w/ Implements
- Brillion 9 Ft. Pulverizer
- Woods RM59 5 Ft. Mower
- Woods Cadet 60 Mower
- Mott 5 Ft. Hammer Knife Mower

NEW EQUIPMENT
- MF 375 Tractor
- MF 1010 Tractor
- MF 1020 Tractor
- MF 1030 Tractor
- MF 1045 Tractor
- MF 144 Plow, 4-Bot., 16 Inch
- MF Loaders
- Woods Mowers
- NI Spreaders
- Brillion Tillage Equipment
- Snapper Snow Blowers

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NEW IDEA

MOVE MOUNTAINS WITHOUT MOVING A FOOT.

Case Uni-Loader* skid steers not only out dig out lift out carry and out load most others they also take a big load off your feet That's because speed direction and all loader functions are controlled by two hand levers You can maneuver easier and work faster There are other advantages, too self-leveling loaders simple external chain-tension adjustment separate hydraulic and chain/sprocket oil systems reduce maintenance and downtime Let your hands do the working with a Case Uni-Loader skid steer the easy way to get a handle on tough chores

Choose From These Models...
- 1818
- 1825
- 1835C
- 1845C

See us today for Uni-Loader* skid steers with convenient one-stop service and flexible financing programs

See us for Uni-Loader* skid steers

Special Prices On All Models Case-IH Skid Steer Loaders

Extra Special Price On 1835C Gas Models Only!

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NEW! BOLTS IN STOCK NEW!
By The Pound

USED EQUIPMENT

TRACTORS
- Long 42 Hp. w/Loader
- Case 995 w/Cab
- Case 430
- Case 1030
- Case DC Tractor
- Case 2390 Tractor
- 1390 Case Tractor
- White 2-105 Tractor
- David Brown 990 w/Loader
- Oliver 1755
- IH 3388
- IH 3788

LOADERS
- Bobcat 731
- Case 1830
- Case 1845 Diesel
- Case 580D Loader Backhoe- Like New!
- Case 1830 Uni-Loader
- Owatanna Skid Loader—$1,500
- NH 555 Skid Loader
- JD 70 Skid Loader

HARVESTING EQUIPMENT
- Hesston 2000-150 Harvester
- NI Unisystem, 702 Diesel, 710 Combine & 760 Harvester
- NI 705 Uni-Tractor
- NI 768 3-Row Head
- NI 709 Uni-System
- NI 315 Sheller
- NI 737 Husking Bed
- NI 838 Husking Bed
- NI 767 Super Chopper
- NI 323 1-Row Corn-picker
- NI 325 12 Row Husking Bed
- Gehl 800 Harvester
- Int. 234 Picker
- NH 774 4-Row Cornhead

HAY EQUIPMENT
- IH 1190 Windrower
- NH 469 Windrower
- NH 479 Windrower
- NH 488 Windrower
- NH 499 Haybine
- Hesston PT 10
- Hesston 1010 Windrower
- Hesston 1090 Windrower
- Hesston 1091 Windrower
- Case 650 Windrower
- NI Rake
- NI 456 Round Baler
- NI 484 Round Baler
- IH 27 Baler
- IH 445 Square Baler
- NI 565 Square Baler
- 7 Hay Wagons
- Ford 618 Blower
- Hesston 620 12' Head

TILLAGE
- Rhino 7-Tooth Soil-Saver
- IH 6-16 Auto Reset Plow
- IH 10 Ft. Disc
- Int. 2-Bot. Trailer Plow
- JD 18 Ft. Field Cult.
- 7-Tooth Soil Saver
- Case 16" Reset Plow, 6 Bottom
- Case Disc Harrow, 10'
- Case 13' Disk, F21
- JD 210 Disk
- Kawanee 10 Ft. Disk
- Oliver 22' Disk
- Oliver Disk
- Used Cultipacker
- Vicon Rotary Harrow

MISCELLANEOUS
- NH 40 Ft. Elevator
- King Wise 32' Elevato
- NH 36 ft. Elevator
- Gehl 99 Blower
- IH 56 Blower
- Automatic Roller Mill
- IH No. 10 13-Disc Drill
- JD 7000 4-Row Planter
- 4-Row Cole Corn Planter
- 6 Used Spreaders
- Scavenger 1263 Manure Spreader
- Scavenger 1678 Manure Spreader
- NI 224 Spreader
- Gehl 350 Spreader
- Martin 1575 Spreader
- 500 Gal. Century Sprayer
- Weaverline Cart, 30 Bushel
- IH 510 16x7 Grain Drill
- Ontario Drill

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NEW SPECIAL
NEW IDEA 404
WHEEL RAKE
$1,250

NEW IDEA

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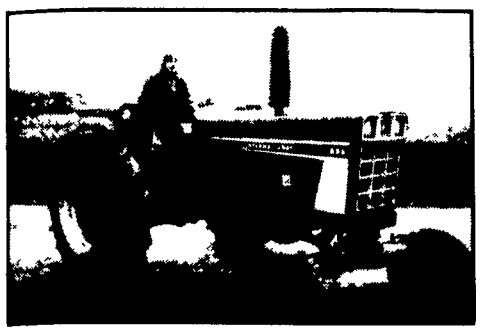
Leaman Tractor Parts

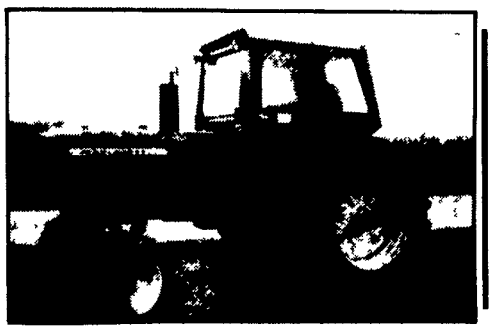
P.O. Box 250, Willow Street, PA 17584
(Lancaster Co.) 717-464-2874
(Turn Left on Breneman Rd. from 222 S at Refton)



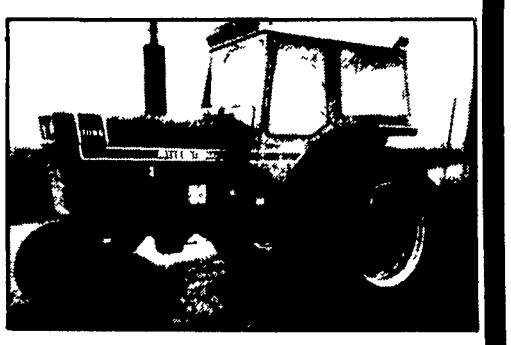
IH 686 Diesel wide front end 3 PT, 1700 original hrs. excellent condition

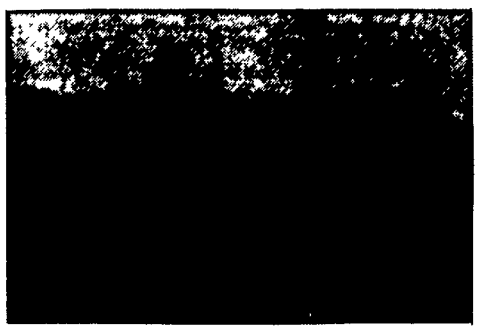
IH 656 diesel wide front end, 3 pt. hitch

1971 JD 4020 SR cab & wide front end, 38" tires dual hydraulics, very good condition



1976 1066 black stripe cab & air, excellent condition

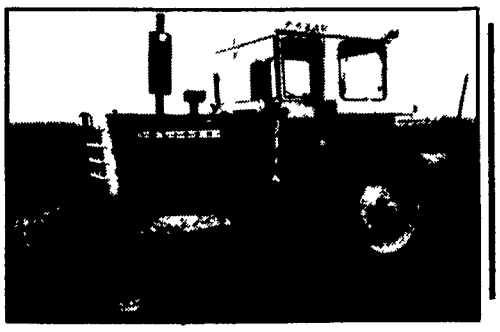




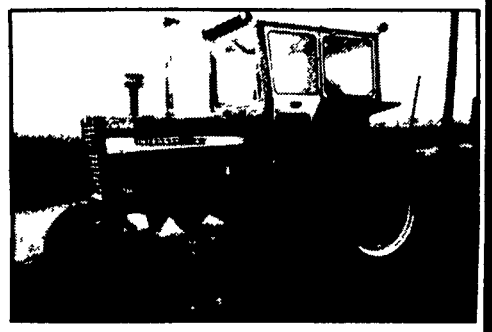
IH 856, gas, WFE, 18.4x38 tires, dual hydraulic, dual PTO, good solid tractor

IH 856 diesel 3 pt. dual shift and hydraulic, very nice condition.

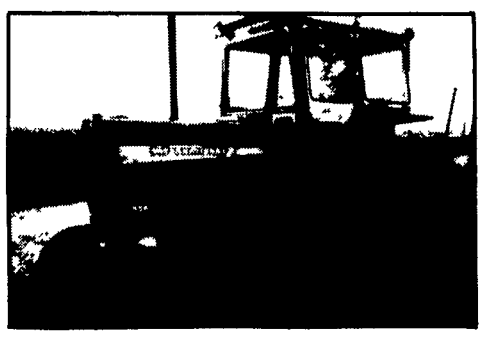
1974 Oliver 1855 cab wide front end & complete engine overhaul



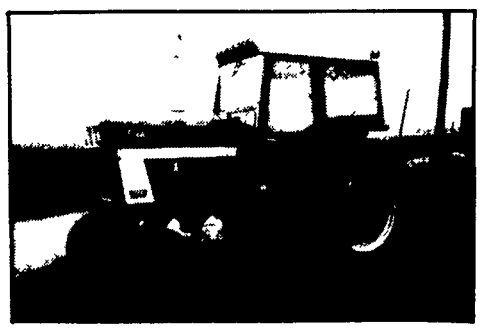
IH 1256 cab wide front end, real good condition



Ford Model 601 select-a-speed with mower, blade & plow, very nice condition



IH 856 diesel cab wide front end 4300 hrs. good shape



1975 IH 1066 Cab/Air Excellent Condition

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Over the past 8 years, we have sold thousands of T.A.'s to satisfied customers across the U.S. Some of our best customers are I.H. Dealers.

We do complete job or center housing while you wait or will sell you the parts.

Our prices on T.A.'s with the Dana Sprag, are now $645.00 with a 2 year warranty. We also have units and parts available to rebuild old style T.A.'s, including Ramp & carrier sets for $300.00

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PTO Drives & Water Pumps

We have clutches available for most all IH tractors; including many heavier than original. We also have clutches for many other brands.

- Compare Our Prices -

All clutches & T.A.'s will ship U.P.S. and are sold on an exchange basis. Core charges Apply.

QUALITY USED PARTS

We specialize in IH tractors but we also have Case, Oliver, White and Massey tractors in our inventory.

Recent Additions To Parts:
IH 1066, 766, 544, 966, 544, 340
JD 4430, 730 gas, 3020-D, 4320
MF 1100
Oliver 550 diesel
AC 5040, 6080, WC
White 2-85, 2-105

Come See Us, We're Located Only 50 Miles SE of PA Farm Show On Rt. 222

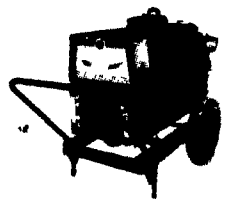
Ship Daily Via UPS And/Or Truck Lines

USED TRACTORS

Farmall 460 gas w/wide front end
IH 1566 3360 h[SOLD] recent engine & TA, ex. condition, fender tractor
Farmall 806, wide front, dual speed PTO
White model 256 transport disc, 14' like new, did 140 acres
Oliver 566, 6x16" semi mounted plow
IH 656 diesel h[SOLD] wide front end, 3 pt. excellent in appearance & condition
JD Model 46 loader to fit model 4020 tractor
Model 52 IH loader to fit Super M thru 656

Delivery Available Anywhere

Rebuilt Welders



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Rebuilt 2 & 4 Cyl. Wisconsin Engines
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Roskamp PECB 930, 1000 RPM
Rental List $15,137
Now $ 8,900

NH 519 Spreader
NH 676 Manure Spreader
NH 822 Corn Head
Butler 280 Ensilmixer Stainless Steel Lined
NH 1495 Haybine, Cab, Air
NH 718 Harvestor
NH 258 Rake
NH 310 SS Baler
Peerless Ear Corn Grinder-Blower, Excellent Condition

DEALER FOR Roskamp

FORD NEW HOLLAND
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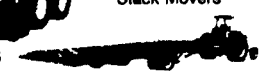
Home of the Dippers and New 1-Minute Stack Movers

5 - Sizes
12 Different Engines



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12 Years Selling The Lahman Loaders, In 1987, We Were Set Up As Distributor, 6 New Loaders In Stock, Priced Lower Than Competition Farmers or Dealers Call For Dealer Price

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Lahman Skid Loaders Hardi Sprayer
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USED EQUIPMENT

USED FORAGE HARVESTERS

NH 890 Forage Harvester w/2 Row Narrow Head
NH 770 Forage Harvester w/2 Row Narrow Head
NH S717 Forage Harvester w/1 Row Head
JD 35 Forage Harvester w/1 Row Head
NH 27 Forage Blower

USED BALERS & HAYBINES

NH 326 Baler w/70 Thrower
IH 46 Baler w/Thrower
Badger 165 Round Baler
NH 495 12' Haybine w/Lat. Transport
NH 489 9' Haybine
NH 461 Haybine
NH 469 9' Haybine
NH 1469 S.P. 9' Haybine (no cab)
NH 1469 SP Haybine w/Partial Cab

TRACTOR & SKID LOADERS

Ford 6610 (72 HP) Tractor 540/1000 RPM, Wgtd, (Lease Return)
AC 7020 (123 HP) Tractor w/Cab & Air, Powershift, Wgtd
NH L778 SKid Steer Loader

MISC.

Gleaner K Combine w/13 ft. Header
JD 7000 4 Row Wide Corn Planter (Plate)
NH 667 Flail Type Spreader
NI 244 (325 BU) Manure Spreader w/ Hyd. Endgate
NI 245 (375 BU) Manure Spreader w/ Hyd. Endgate

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NI 802C Uni Tractor w/Rear Whl. Assist Weights (350 Hrs.)
NI 868 Uni Forage Harvester
NI 866 Uni Hay Pickup (7 ft.)

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JD 4640, cab, air, power shift
1981 JD 4440, cab & air, excellent
JD 4440, 4 post, quad range
JD 4430, cab & air, sharp
JD 4240, cab, air, quad range
JD 4240, 4 post
JD 4040, cab, air, QR
JD 4040, 4 post, QR
JD 4230 fender tractor
JD 4230, cab & air
JD 2950, 175 hrs., like new
JD 2510
JD 2510 diesel, power shift
JD 2940, 4WD
JD 2940
JD 2750, cab & air, like new
JD 2750, 1,600 hrs.
JD 2550 w/loader
JD 2640
JD 2440
JD 2510 Gas
JD 2350
JD 2350 w/loader, 500 hrs.
JD 2150
JD 4320 w/cab
JD 3020 diesel
JD 4020 w/side console
JD 950

JD 830, 3 cylinder
IH 3288 w/500 hrs.
IH 1066, cab & air
IH 686 gas, 1,200 hrs., like new
IH 140 w/cultivator
IH 766
IH 826 diesel
IH 884, like new
IH 674 w/2250 loader
Ford 6700, 600 hrs.
Ford 4610, like new, 690 hrs.
Ford 4000 SU
Ford 3400 w/loader
Ford 2600 w/800 hrs.
Ford 2000
Ford 3000
AC 210 diesel
MF 265 w/loader
MF 235
Kubota 305 DT, 4WD w/loader, 600 hrs.

1987 Deutz Allis 7120, used 200 hrs.

JD 2750 Special
High Clearance, 4WD, Like New

INDUSTRIAL

MF 200 crawler loader
1979 IH dump truck w/DT466, new 5 to 7 yard dump body
MF 40B forklift
Gehl 4610 SOLD l, skid steer, 500 hrs.
NH 779 skid steer
NH 335 skid steer
Gehl 4510 skid steer
New Gehl 360 skid steer loader
NH 785 skid steer, like new
Ford 420 backhoe w/cab
Ford 3400 backhoe

USED PLOWS

Int. 5 btm. 16" spring reset plow
White 6 btm. 16" plow
Int. 4 btm. rollover
Large selection of 3 to 7 btm. plows
IH consertill 13'

USED COMBINES

244 JD corn heads
444 JD corn heads
443 & 643 corn heads
JD 6620 hydro
JD 4400 diesel
JD 3300 diesel, used 1,000 hrs.
JD 4400 diesel, 1,500 hrs., sharp
1978 JD 7700 hydro, excellent

USED PLANTERS

JD 7000 4 row liquid, conservation
Used Moore no-till grain drill
JD 1240 pl SOLD anter, like new
New Woods 315 Bat Wing mower
New Woods 12' Bat Wing

HAY EQUIPMENT

JD 337 w/thrower
New JD 327 baler
JD 346 w/thrower
JD 1207 7' haybine
IH 7' haybine, like new
NH 488 haybine
NH 1033 bale wagon
NH 1010 bale wagon

MISCELLANEOUS

Large selection of smaller discs
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NI Super Sheller, like new
NI 323 1 row picker
NI 2 row wide, 12 roll bed
Kewanee hydraulic fold 21' disc
Gehl 120 grinder mixer
Gehl 95 grinder mixer
JD 14' plowing disc
Moridge grain dryer, 400 bu.
1980 Ford 350 rollback, 15' alum. body
4 row Danish tine cultivator
Int. 2355 loader

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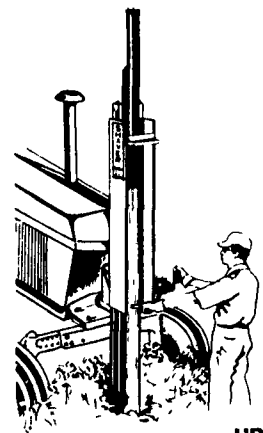

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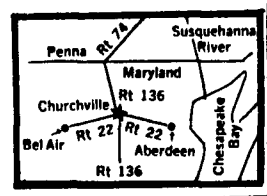

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140 2WD
140 4WD
2-65 w/Loader
43 4WD
37 4WD
21 w/Turf Tires

USED TRACTORS
JD 4440 P.S.
JD 28 SOLD hal, Nice
Oliver 1755D Complete Engine Rebuilt
Ford Jubilee (nice)
SOLD

MISCELLANEOUS
Set 18.4x38 Duals, 9 Bolt Hubs
New Material Buckets To Fit JD Loaders 145-146-148-158 48-58 in stock
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1 Set of Pallet Forks
1 Used 13-6[illegible] rear tractor tire SOLD

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New White 3-4-5 btm. plows
New White 435 disk chisel
New White 273 Disk 17'10"
(2) New Kewanee Field Cultivators 15' & 18'
New Kewanee 1175 Disk 17 ft.
New Kdewanee 775 Disk 14 ft.
Used JD 210 disk
Used 7 Tooth Glencoe Chisel Plow
IH 450 SOLD m Mtd. Plow Auto/Reset

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New 8-10-12 ton running gears
New Hay Tedders
New Bale Wagons
New Forage Boxes
Used NH 890 Harvester w/5 Ft. Hay P/U & 2R Corn Head
Oliver 25 Combine

PLANTERS
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Used JD 7000 6R w/Dry Fertilizer & Monitor

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(1) KM 321 Mower Conditioner
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• Low Cost Wrapper For Cornstalks, Etc.
605J Baler
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Fella 18 Ft. Tedder
P.Z. 3000 Lb. Pull Type Fertilizer Spreader

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6' Bush Hog rotary mower, 3 pt., $600
Haybuster 1068 No Til Drill, Good & Special, $4,500

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1500-gal. Tank Will Load in Approx. 1½ Min.

Check These Outstanding Features on the SLURRY BUGGY

A liquid manure spreader that loads and unloads and has no chains, bearings, fans, augers, or moving parts that touch manure

- A 6-inch hydraulic operated brass valve for unloading
- Has 3 different manure spreading patterns
- Tank has a float level indicator and sight glass
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- Tanks are made of 5/16 thick metal
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- Pump has an air precleaner

The Slurry Buggy Spreader is designed for

1 Injecting liquid
2 Side dressing your liquid manure on fields from lanes or roadways in wet weather
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Farmers rebuild your tanker with one of our new pumps (192 cfm @ 10 HG)

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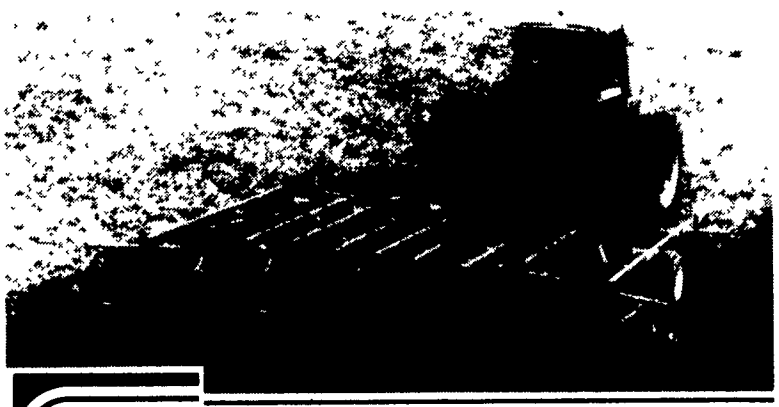

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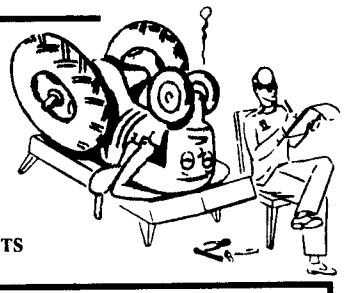

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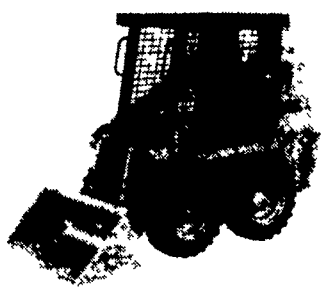
- 18 H.P. (13.42 kW) Diesel
- Two-Lever Hand Control



MODEL 1825 Uni-Loader®

- 25 H.P. (18.6 kW) Gasoline
- 25 H.P. (18.6 kW) Diesel
- Two-Lever Hand Control

MODEL 1835C Uni-Loader®

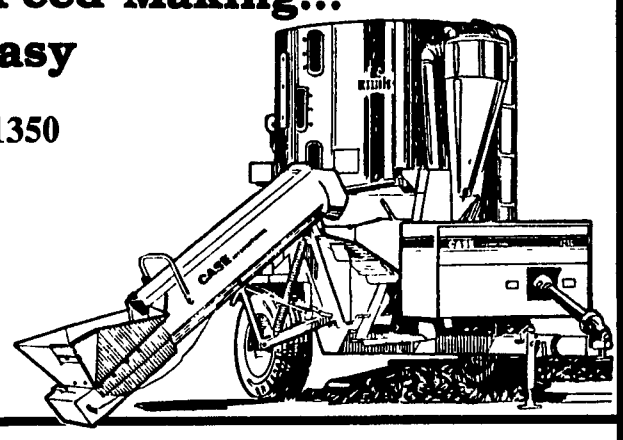
- 44 Net H.P. (32.8 kW) Gasoline
- 42 Net H.P. (31.3 kW) Diesel
- Two-Lever Hand Control

MODEL 1845C Uni-Loader®

- Case 51 Net H.P. (38 kW) Diesel
- Case Coupler For Fast Implement Attachment
- Control Lock-Out Provides Operator Protection

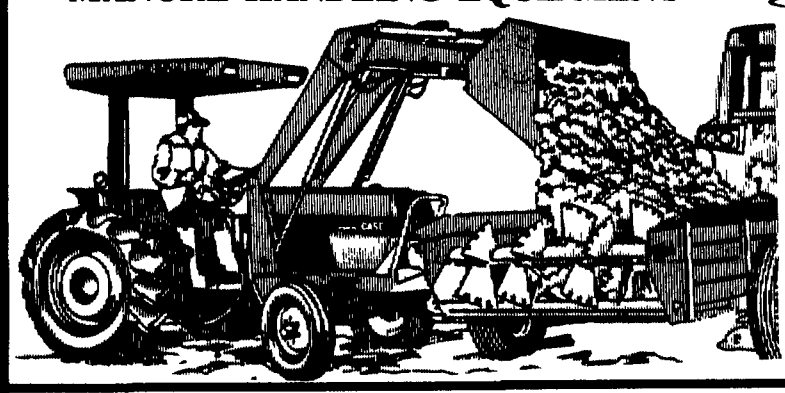
On-Farm Feed Making... ...Made Easy

150 Bu. Model 1350 With Scales
In Stock - Ready For Immediate Delivery!



We Have A Complete Line Of MANURE HANDLING EQUIPMENT

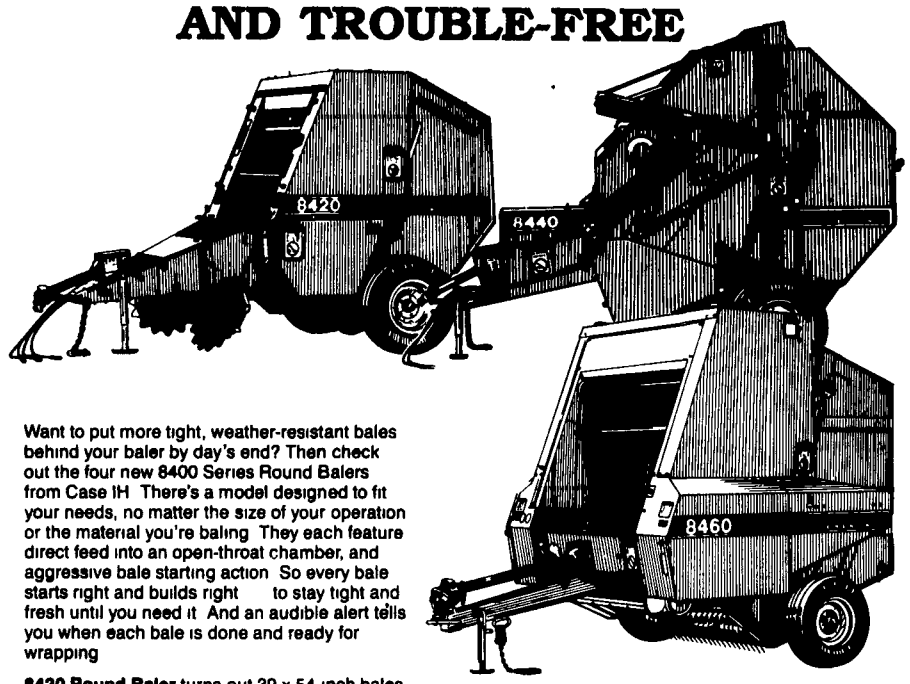
In Stock!



See Binkley & Hurst Bros. For Your BEST DEAL!

The New Case IH 8400 Series Round Balers

BALING THAT'S FAST, VERSATILE AND TROUBLE-FREE



Want to put more tight, weather-resistant bales behind your baler by day's end? Then check out the four new 8400 Series Round Balers from Case IH There's a model designed to fit your needs, no matter the size of your operation or the material you're baling They each feature direct feed into an open-throat chamber, and aggressive bale starting action So every bale starts right and builds right to stay tight and fresh until you need it And an audible alert tells you when each bale is done and ready for wrapping

8420 Round Baler turns out 39 x 54-inch bales for smaller needs

8440 Round Baler builds tight, firm bales up to 5 x 5 feet, regardless of the crop

8450 & 8460 Round Balers are high-production models, built to produce big bales . 46.5 and 61.5 inches wide, respectively, and up to 6¼ feet in diameter

Stop in — they're here now.

Also: Binkley & Hurst Bros. Inc. Has A New Case IH 8450 Model Round Baler On Display At The PA FARM SHOW At The Case IH Booth -

See Binkley & Hurst Bros. Inc. & Make A Good Deal!

A STRAIGHT LINE IS STILL SHORTEST

If You Travel On Highways You Won't Have A Safer Baler For Transporting Than An In-Line Case IH

Why Not Consider The Safest Baler On The Market Today?! They Really Do Work! Stop In At Binkley & Hurst Soon!

Case International Rectangular Balers 8520/8530/ 8540/8550/8580

That's why all five 8500 Series Case IH Rectangular Balers give you center line design Your hay moves in a straight line from the time it's picked up until it leaves the baler as a tight, uniform bale.

Center line means there are no corners to turn to get crop into the bale chamber as with conventional balers. Nutritious leaves go into the bale, not on the ground And with the baler directly behind the tractor, it's easy to transport through narrow bridges and gates

Case IH Rectangular Balers also give you
- Wide, low-profile pickups collect full, heavy windrows with leaf-saving gentleness because the crop is not lifted as high to get it into the baler
- Prepacker chamber compresses hay into uniform flakes
- Flake size, density and bale size are more uniform
- High-speed, short-stroke plunger to pack bales tighter
- Hydraulic density control (optional on 8540, standard on 8550/8580) to regulate chamber pressure for tighter, square-shouldered bales for easier stacking

Produce tighter, more uniform bales — on schedule.

We Have Several Models In Stock Now - Make A Good Deal & Be Ready For Spring!

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Located ½ Mile North of Rothsville

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Sat. 7 AM - 11:30 AM
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After 5 PM:
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case ih

IT'S FARM SHOW TIME!

Binkley And Hurst Bros. Are Dedicated To Giving Their Customers The Best Deals Possible With After-The-Sale Service On Tractors And Equipment. Our Goal Is To Work With You In Making 1989 A Very Successful Year.

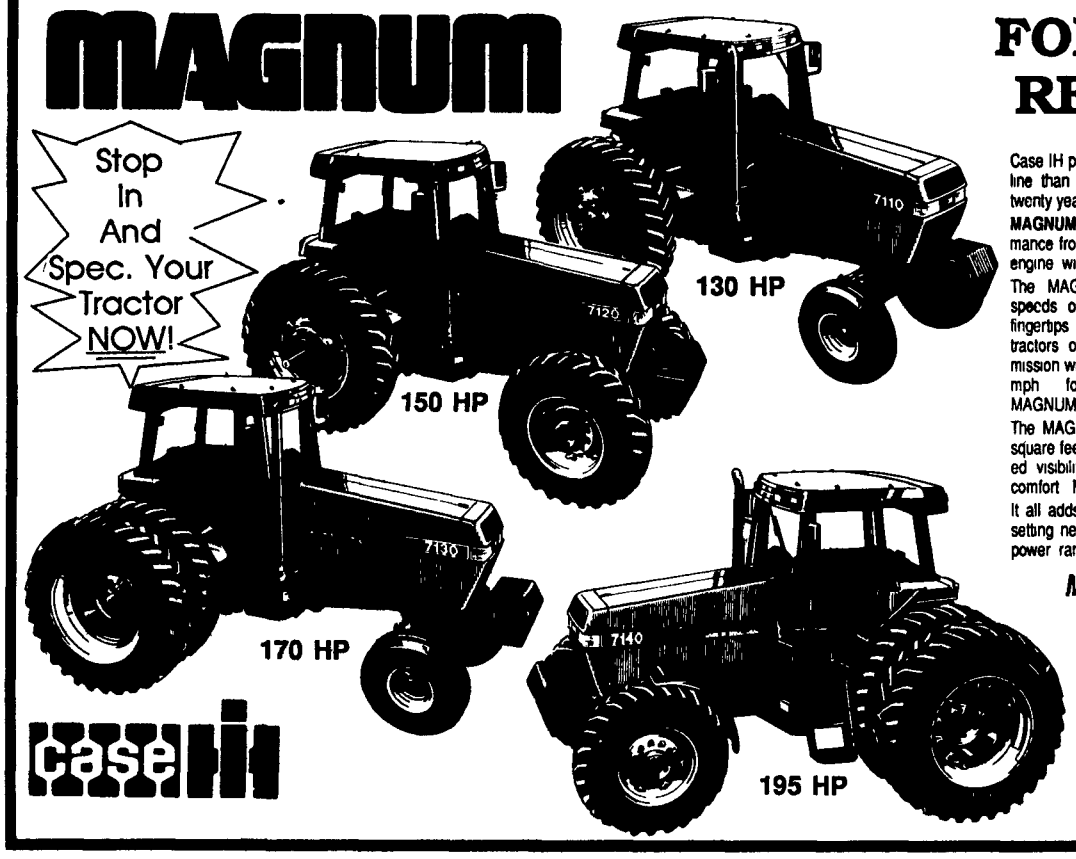
case IH We Are Your CASE IH Dealer...

See Us For All Your CASE IH Needs With Parts & Service Support After The Sale.

IT TAKES A TRACTOR THIS GOOD TO OFFER THIS WARRANTY

MAGNUM

Stop In And Spec. Your Tractor NOW!



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IS SUPERIOR FOR MANY REASONS

Case IH put more into the new MAGNUM tractor line than any farm tractors developed in over twenty years. Here's why you'll get more out of it:

MAGNUM means more. Outstanding field performance from a new 505 cubic inch turbocharged engine with reserve power. MAGNUM power.

The MAGNUM tractor's powershift puts 18-speeds of shift-on-the-go workpower at your fingertips — standard. And only MAGNUM tractors offer a full powershift creeper transmission with six additional speeds from 5 to 21 mph for more control and performance. MAGNUM performance.

The MAGNUM tractor's new larger cab has 48 square feet of window area, virtually unobstructed visibility, more room and more seating comfort. MAGNUM comfort.

It all adds up. Case IH MAGNUM tractors are setting new standards for the 130-195 PTO hp power range and for you. See us for details.

MAGNUM means more.

More Visibility
More Comfort
More Speeds
More Engine Torque
More Cubic Inch Displacement - 505"
More Features

MAGNUM means more.

More Guarantee Than Any Other Brand.

With The Advantage You'll Probably Never Take Advantage Of

5,000

Every Case IH MAGNUM tractor comes equipped with dozens of exclusive features that put it in a class by itself.

But none is more impressive than the 5-year/5,000-hour MAGNUM tractor warranty.

It covers every MAGNUM tractor—from top to bottom, front to back, for 5 years or 5,000 hours, whichever occurs first. * It's the best warranty in the business. By far.

But the way MAGNUM tractors are built there's a good chance you'll never need to take advantage of this advantage.

See the all-new MAGNUM tractors at your Case IH dealer. And learn more about the best warranty and the best tractors in the business.

* Excluding tires which are covered by their own manufacturers warranties. A $200 deductible applies to each repair after the first year.

See Binkley & Hurst Bros. Inc. Now For The Kind Of Quality You Always Wanted

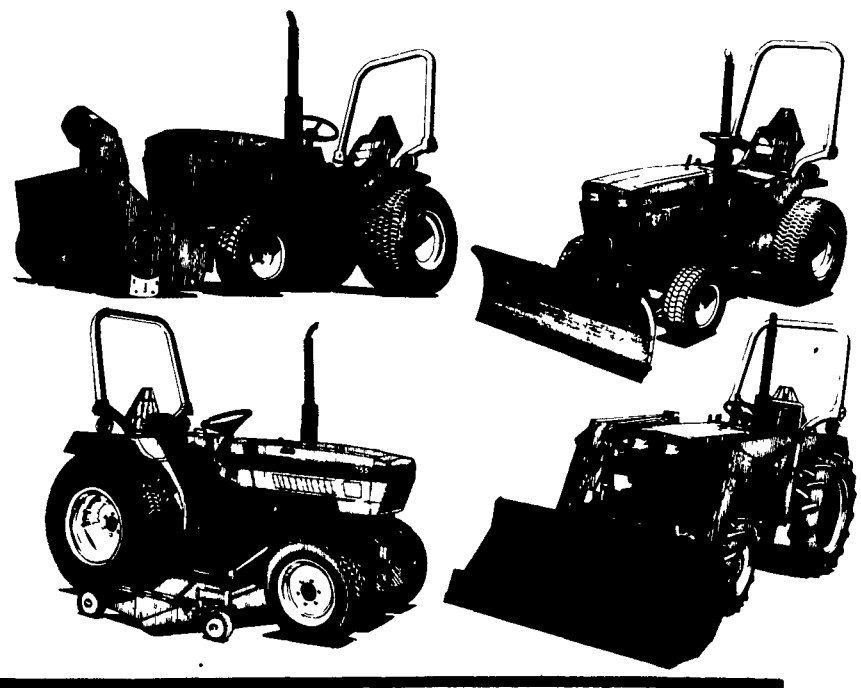
WINTERTIME MAY MEAN SNOW REMOVAL!

See Us For Snowblowers, Dozer Blades & Loaders

And

New Case IH 200 Series Tractors

18 to 31 HP With All Wheel Drive For The Perfect Combination In Snow Removal & More!



Outfit your 200 Series Tractor for all-season productivity

Case IH 200 Series Compact Tractors, Mowers, Snow Throwers, Blades and Loaders team up to give you a productive all-season edge. These 18- to 31-horsepower tractors offer fuel-efficient diesel power, smooth-shifting transmission, and weather-beating MFD option to make quick work of big chores. Front-, rear- and mid-mounted mowers provide up to 72 inches of cutting width. Snow throwers in 48- and 54-inch models quickly clear walkways, drives and lots. Front loaders and dozer blades feature heavy-duty strength and quick attachment.

See us today. Find out how a Case IH 200 Series Compact Tractor and implements can work year round for you.

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'80 Johnson Harvester, 414 engine, 600 hours.
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NEW, NEW HOLLAND MODEL 1900 S.P. HARVESTER

4 WD, Aux. Hyd., Metal Alert, Big Rubber, Loaded, Comes With 919W4 Windrow Pickup, 939A4 Auger Base, 939N4 Corn Head, Field Ready
List..$132,473
Thru 1/31/89...$101,000
Delivered Price,
Financing Available

★ RECENT TRADES ★

1979 FORD (STEIGER) FW-30

Articulated 4 WD, 20 Speed, 4 Valves, 3,050 Hrs., 30.5x32 Rubber, Traded On New Versatile 936

$27,500

1981 FORD TW-30

4WD, 4000 Hrs., Dual PTO, 3 Pt., Snap On Duals, Solid, Traded On New Steiger

$22,500

1980 CASE 4690,

2050 Hrs., Bought New in 1981, 20.8x38 Duals, Traded On New Versatile 936

$28,500

KINZE 12 ROW 30" REAR FOLD PLANTER,

Dry Fertilizer, Monitor, Cross Auger, Insecticide, Completely Reconditioned And Field Ready

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(2) J.D. 8300 PLAIN DRILLS

21x7, Hyd. Lift With Cylinders, Grain Drill Tires, Dual Drill Hitch, Field Ready, Will Separate

$6,500 For the Pair

1973 MACK DM60

All Wheel Drive Truck With 2 Year Old 3300 Gal. Martin Semi-Solid Spreader, 237 Maxidyne, 5 Spd. w/2 Spd. Aux., 23,000 Fronts, 44,000 Rears, Went To Irrigation

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DAKOTA 14' 6 WAY BLADE

Off Steiger, Good Condition

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LEON 12' 6 WAY BLADE

Off Low Hr IH 5088, Like New

$4,900

INTERNATIONAL 1420 ROTARY COMBINE,

1983 Bought New In 1984, Shaft and Grain Monitor, 2 WD, Has Only 140 Original Hrs., Comes With IH 810 13' Grain Platform With Pickup Reel, Choice of Corn Heads Available

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- Compare Yanmar quality
- Experience Yanmar's fingertip "Shuttle Power Shift"

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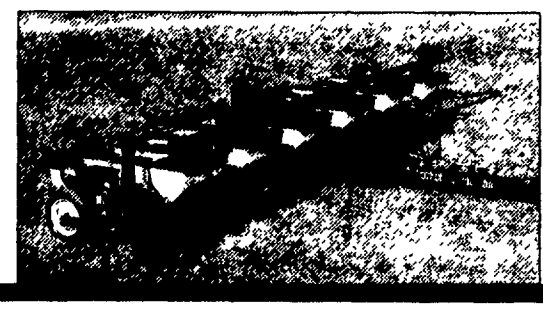
Before You Buy A Heavy Duty No-Till Drill, Consider The Advantages Of The Heavy Duty Double Frame KINZE Bean/Corn Planter With Push Units That Really Penetrate The Toughest Soil Conditions For The No-Till Advantage!

The planter that can.

- Gives you liquid or dry fertilizer options with all the extras.
- Lets you set row spacings down to 15", 18", 19" with patented KINZE push units.
- You can equip it with all the no-till options you need.
- Offers you the dependability of spring-loaded contact drive wheels and precision seed placement accuracy ... with the finest row unit technology in the field today.
- Hydraulically folds — from planting to transport — in seconds. (Locks into a rigid transport position, and yet, gives you plenty of flex for uneven terrain.)

KINZE Twin-Line II



Contact your nearby KINZE dealer today!

BINKLEY & HURST BROS. INC.

133 Rothsville Station Rd. • Lititz, PA 17543
Phone: 626-4705

Place Your Order Now For Spring!

Binkley & Hurst Bros. Inc. Introduces A New Line Of Mixer Feeders From GEHL Company. See Binkley & Hurst Bros. Inc. For A Super Deal Now!

NEW FOR 1989!

SEE THE MIXER FEEDERS AT THE PA FARM SHOW!

Also See The All New Model 5620 Diesel 52 HP GEHL Skid Steer Loader On Display!

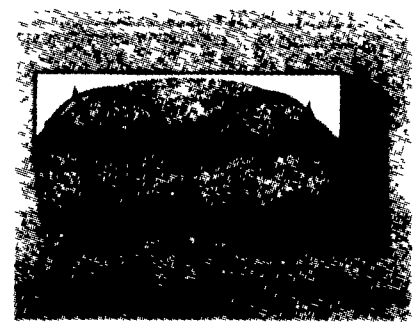
There's A Gehl Mixer Feeder Designed To Fit Your Operation.

Feature for feature the Gehl line of mixer feeders gives you more. From the planetary gears that drive the four mixing augers to the hydraulically driven unloading conveyor, these rugged cost-effective mixer feeders deliver the kind of performance you're looking for. Day after day, year after year.

Gehl builds five mixer feeder models with struck capacities ranging from 210 to 500 cubic feet. They're available as trailer-type or stationary units. The four largest models are also available as truck mounted units.

Since 1859 Gehl Company has been serving world agriculture with products that have gained a reputation for dependability and innovative design. Gehl's new mixer feeder line continues that tradition.

Now you can buy a mixer feeder from a company that backs its products with outstanding service and parts support. As North America's largest non-tractor agricultural equipment manufacturing company, Gehl is a company you can count on today, tomorrow and into the future.



Fast, thorough mixing... even with baled hay. Gehl mixer feeders deliver excellent mixing action in all crops **including baled hay.** Specially designed notched augers make the big difference. This four-auger system moves feed ingredients in a double figure-8 (both horizontally and vertically) as they tumble, churn, fold and blend for more complete mixing. And both bottom augers are adjustable for longer usable life. With Gehl's system, the feed converges to one point for a complete, fast, thorough mix of all ingredients. And a Gehl mixer feeder requires minimum horsepower to do the entire mixing job in less time.

Gehl has the answer to every spreading need.

And Binkley and Hurst Bros., Inc. has a good deal waiting for you!

a. Solid

If you handle mostly solid manure the Gehl 100 Series box spreader should be your choice It s built to give you more years of service A specially constructed floor with Clad Tuff™ protection prevents the apron from freezing to the floor The Ex Ten A steel frame has more strength than ordinary steel And the copper bearing steel sides form a self healing rust scale that prevents pitting Six sizes are available with load capacities from 135 up to 425 bushels heaped (243 cu ft)

b. Semi-Solid

The Gehl 500 Series gets semi solid manure onto your fields fast and economically Loading is easy from barn cleaner or bucket with the efficient open top design An internal chopper type auger blends manure and forces it to the oversized heavy duty rear fan for wide even discharge patterns Engineered to handle high volumes, it can spread up to 1500 gallons of semi solid manure in 2 5 minutes with uniform patterns up to 50 feet

c. Liquid

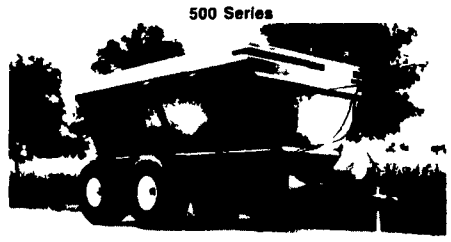
If you handle only liquid manure a Gehl 700 Series liquid tanker should be your choice Featuring an internal auger, it spreads evenly uphill or down Plus two discharge outlets let you choose either high application rates and fast unloading or moderate application rates And, a fill indicator helps prevent overflow during loading

d. All of the above

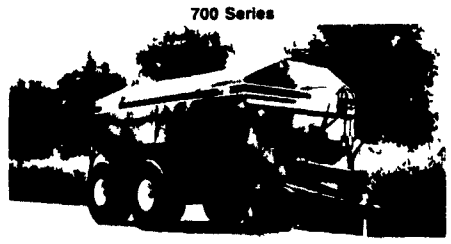
The one spreader for a two spreader farm a Gehl 300 Series spreader lets you spread liquids semi solids pen pack even frozen manure The patented heavy duty square tube auger makes the big difference Turning at low RPM it produces a unique pulse action that breaks up manure in the tank Specially formed paddles rip through tough clods to deliver a steady constant flow to the discharge The auger can be powered up and down to chop through bridged and frozen material Variflo discharge gives you complete application control

100 Series

500 Series



700 Series



300 Series

For more answers about the Gehl spreader that best fits your manure management system, talk to your Gehl dealer. Or contact Gehl Company for a free manure spreader technical series buyers' guide. Gehl Company, 143 Water Street, West Bend, WI 53095.

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1,500 hours

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USED IH 1440 AXIAL-FLOW COMBINE

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Interest waiver until 9/1/89. Lowest price around on a comparable machine.

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Ford 754, 4WD, Ford County 4 cyl.
Ford 3600, low hrs., good cond.
Ford 2810, 24½ hrs., diesel, new
Ford 3000, nice, rubber good
New- 5 hrs. 2600 Ford w/HD loader Dynahoe, runs good
Ford 1900, 4WD w/loader & bucket
Ford 555 Loader Backhoe w/cab, 4WD, torq. conv.
Ford 555 Loader Backhoe w/ROPS
Ford 555 Loader Backhoe w/cab
Ford 340 loader backhoe, 600 hrs. on tractor loader- demo hoe, sharp
Ford 655 TLB w/cab
Ford 4500 TLB w/cab, new paint
Ford 545 loader bucket, good tires, good condition
Ford 515 tractor loader
General roller 1 ton
Case 1845 skid loader
Snow loader w/6 cylinder engine - Best Offer
AC G w/under mounted mower
IHC Cub w/under mounted mower
NH L455 skid loader, nice
Gehl model HL2500A skid loader
Ford forklift model 600, dual tires
Selection of Ford 9N and (3) Fergusons
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NH 495, 12'
(2) NH 1495 SP w/Head
Gehl MC1090
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NH 269
(3) NH 489

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IH 435
NH 278 w/Thrower
NH 2000 Large Baler, 1 yr.
(2) NH 269
(2) NH 273
(2) NH 276
NH 275 w/54A Thrower
NH 275 w/Thrower
NH 851
NH 846 Round

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Vicon V Wheel

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AC 430 Head

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NH 892 w/2 Heads
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NH 919 WPU
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Hesston Side Dump w/4RN & WPU
NH 900, 2R 30" Snapper Head only
(2) NH #8 Box
NH 770 w/822 C.H.
NH 1010 Bale Wagon

MISCELLANEOUS
Ford CL65 Skid Loader
NI 325 Picker w/12' Roll Husk Bed
Rockhound Rock Picker
NH 358 Grinder Mixer
NH 445 Skid Loader w/Bucket
AC Disk 2500
Massey Loader
Case Wheel Ldr.
JCB 1550 B 4WD Ldr.
IH 1050 Grinder Mixer
Century Sprayer
Haybuster Drill
AC 460 Loader
Case 580 Loader Backhoe
Melroe Skid Loader
24" Vermeer Digger
Toro Sweeper
Horse Trailer
Westfield 61' 8" Grain Auger 7½ HP
IH 1550 Trip Bucket

SPREADERS
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NI 244
NH 213

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(2) AC 600 4R no-till
(2) AC 600 6R no-till
AC 333
Int. 400 Air Planter

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Beaver w/Mower
Kubota B5100 E
AC 917 H w/Mower
Yazoo
Case [SOLD]Mower
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Dismantling 100 pickers for parts

All Combines Sold— free parts for one season if in our parts lot.

IH: 915, 815, 715, 615, 315, 205, 203, 503, 403, 303, 93, 91, 151, 101, 141, 127, 125, 105, 82, 76, 74 JD: 7700, 6600, 4400, 3300, 105, 95, 55, 45, 40, 30, 25, 12A. MF: 510, 410, 300, 205, 35, 92, 82, 72, 90, 80, 70, 60, 27, 26. AC: Gleaner, F, L, M, K, G, E, C, C2, A, 60, 66, 100 Oliver: 545, 535, 525, 430, 40, 35, 33, pull type. NI. Uni, 710 Combine, Huskers, 705, 702, 701, Combine shellers & harvesters Ford: 622, 630, pull type. Case: 1160, 960, 700, 660, 600. NH 975, 985, TR70. MM: 5297, 3496, MM Uni, White 8600, Field Boss, 7300, Massey 750D, Straw Spreaders & Choppers; JD 7720, Motors, transmissions, tires, corn & grain heads

Financing or Lease Available

COMBINES
75 To Choose From
(2) JD 45 w/10' Grain & 2R
JD 55 w/12' Grain, $2,000
JD 45 Rback w/10' hume reel, nice, $1,875
JD 7700 diesel w/heads
JD 6600 gas, rotary screen w/grain, $5,000
JD 4400 diesel, rotary screen, $7,000
(2) JD 40 w/10' grain & 2R
JD 45 square back w/2R 10' grain & cab
1977 JD 6600 side hill w/6R 30" & 14' grain, $19,500
JD 6600 rotary screen diesel w/grain, $7000
JD 6600 w/grain, $7,000
JD 3300 gas w/2 heads
AC E w/10' grain & 2R
AC FKS dsl. w/heads $7000
AC Gleaner F2, hydro diesel w/heads
AC F2 diesel w/grain saver, 13' grain head, choice of 4R 30" or 4R 38" corn head, A1 cond., real nice, one owner
AC Gleaner M Dsl. Hydro grain saver w/4R 30" black corn head & 12' grain, $13,500
AC C2 diesel w/grain 4R 38" & 4R 30"
AC Gleaner FKS gas w/2 heads
AC late C2 w/grain & 4R corn, $3,950
Gleaner F2 w/heads
Gleaner K w/10' grain & 2R corn, $4,000
(2) C-2 Gleaners w/4RW for 4RN & grain head
MF late 760 V8 diesel hydro w/4 or 6 row corn & grain
Massey 72 w/12' Grain
Massey 82, $1,200
Massey 35, 8' head
MF 760D hydro w/heads
MF 550 hydro, dsl., choice of heads
(3) MF 510 diesel w/head
(4) MF 410 diesel w/heads
MF 510 diesel, hydro w/ heads
MF 410 diesel, hydro w/ heads
(3) MF 300 gas, cabs & heads
MF 300 cab, 12' grain, 3R 30" & 2R 38" corn, nice shape
MF 300 diesel, quick tach w/ heads
MF 82 2R corn & 12' grain
1983 MF 850, 28x26 tires, 1177 hrs., silver cab w/ grain 6R 30" or 4R 38", clean, one owner.
Late MF 750 hydro diesel, just had $4,000 spent on it last fall, real nice
IH 91 w/grain & 2R corn
IH 1460 diesel hydro w/4 or 6 row corn & grain
IH 141 w/12' grain, 2 row corn, 1 owner, nice
IH 1460 axle-flow w/820 grain head & choice of 4 or 6R corn
IH 1440 Axle Flow Combine w/grain & 4R corn
IH 915 diesel, turbo, hydro w/ grain & 4 or 6R head, $13,000.
IH 815 dsl., hydro, late profile w/810 grain head & 844 4R corn
IH 615 gas w/810 flex, 2 or 3R corn
IH 403, gas, cab, 4R 30" & grain head
IH 205 w/grain 3R, 30" or 2R 38"
IH 76 pull type, PTO w/bin
IH 715 hydro diesel w/grain & corn
IH 715 gas w/13' grain & 4R 30" corn
IH 203 w[SOLD] corn
1983 NH TR85 hydro Cat. V8 diesel w/grain & 4R corn, low hrs.
NH TR70 Cat. diesel, 4 row 30", 13' grain
NH TR70 Twin Rotary, Cat. dsl., cab, air, radio, 28x26 rubber, low hrs., nice
NH TR70 Rotary, hydro V8 Cat. dsl. w/12' flex & choice of 4R 30" or 6R 30" or 4R 38" corn
NH 1400 w/grain & 4R 38" corn, $6,000
(2) Case 600, 10' Grain & 2R or 3R Corn

DISC HARROWS
(2) off-set discs from 8' to 11'
JD 10 to 14' RWA discs
JD 12' heavy duty disc, $2500
JD RWA 13' wheel
4 IH 37 10' to 13'
MF Trail [SOLD]hisel plow
Ford 18' wing disc, nice
JD 15' fi[SOLD]ivator
Athens 3[SOLD]sel plow
10 & 12 tooth trailer chisel plows
3PT 8' disc
8, 10, 12, & 14' Wheel Disc
7 & 8' drag discs
Good selection of wheel discs

GRAIN HEADS

TRACTORS
Late IH TD9 diesel crawler ldr. w/cab, 4-in-1 bucket, ripper, needs final drive, $3500
Ford Jubilee with step up gear
IH 350 utility diesel, A-1, nice
IH 560 gas w/IH 234 MT picker, $2985
JD 70 gas, 3PT
(3) Ford 850 gas, 3PT
Ford 9N, all original
Ford 5000 Tra[SOLD]r, late model ove[SOLD]ed, new paint, new tires
Fordson Silver King
AC 190, gas, WF, 3PT
AC Road Grader, good running, new paint
AC 5040 diesel w/2 pt.
Farmall Cub, hyd. w/IH belly mower
Late Farmall M
Farmall F20
Farmall Super M w/WF, $1,375
Farmall M, late model
Farmall Super A w/plow & C mower
Farmall 100 w/1 row cultivator
Oliver 550, PS, 3PT
Oliver 1600 gas w/3PT
Oliver Crawler w/Roll Guard
IH 656 gas, WFE w/IH loader
IH 3444 industrial dsl. w/3PT & loader
IH 340 gas w/loader
IH 450 gas, PS
IH 350, diesel w/PS
IH 504, power steering, 3PT
IH Hough Payloader
IH 400 Dsl. w/power steering
IH 674 dsl., row crop, 65hp
Yale 3000 forklift, needs trans. work, $800
C Allis w/belly mower
Massey Pony

WIDE FRONT ENDS
Oliver 1800
Farmall M
Super M
Ford 6000
MF 65
Massey 44 & 444
Massey 101, 30 & 33
IH WFE (2), fits 460, 560, 656, 666, 706, 806, 756, 856

SPREADERS
IH 540 w/hyd. gate, $1375

CORN PICKERS
NI 324 w/sheller, real nice, $2500
NI 7 & 10, from $500 to $900

CORN HEADS

ROTARY MOWERS
IH 1[SOLD]ype
Woods 12' pull type
Ford 6' pull type
JD 12' pull type, $2,000
2 Woods 7' trailer
20 New 6' 3PT IHMC
3 pt. 6, 7 & 8'
Also pull types.

PLOWS
(2) JD 10 tooth trailer type chisel plow
JD 1450 Hillside Hitch 4x16, nice
JD 4 & 5 btm.
IH 3, 4 & 5 btms.
Ford & JD 3PT 2-btm.
Oliver 6-btm. 16" on land hitch
Ford 3-btm. 16", auto reset
15 plows, 2 to 7 bottom

HAYBINES & RAKES
MC 10' flail type
NH 467, 7'
Case late 555 same as Hesston PT10
Hesston 10' hydro-swing center pivot hitch, $2500

MISC.
1970 IH TT cabover w/250 Cummins engine w/1976 Trail Eze 48' combine trailer, all in good shape, $12,500

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Stone Rakes
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Harvesters and Corn Heads for Parts

IH: TD5 Crawler, 1256, 1066, 966, 856, 666 Hydro, 806, 706, 660, 656, 560, 504, 404, 460, 450, 444, 400, 350, 340, 300, 240, 230, 200, MTA, M, H, C, BN, A, Cub, 154 Cub, F30, F20, F14, F12. JD: M, 4020 dsl., 4010, 3020 dsl., 3010, 2020 Dsl., 2010, 720, 70, 60, 50, A, B AC 180, D14, D15, D17, D19, WD, WC, CA, C, B. MF. 1155, 90, 85, 444, 333, 65, 44, 33, 30, 20. Case: 600, 300, DC, SC, VAC. Ford. 6000 4500, 4100, 4000D, 960, 861, 860, 800, 800, 641, 600, 8N, 9N. Oliver: OC3 Crawler, 1800, 880, 88, 77, 70, 66, 60 MM 5 Star, R, Z, E3 Coop

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NH Flail Chopper
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JD 1975, 7700 w/215 Flex Head
JD 15' Rigid Platform
AC 4RW Cornhead for M or M2
NH TR70 w/15' Platform
JD 643 CH for NH Combine
AC Gleaner G 6R 30" Head 15' Rigid Platform

TRACTORS

IH Cub 154 Loboy
JD 4230 QR No Cab
JD 850 Dsl. w/6' Belly Mower

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AC 8R No-Till w/Liq. Fert. & Hydraulic Markers
AC 330 4 R Planter
JD 12R Front Fold No-Till Dry Fert.
JD 7000 Cons. Model 6R-30" Dry Fert. & No-Till
JD 7000, 8RN No-Till Liq. Fert.
JD FBB Drill 17x7

MISC.

NH 271 Baler
JD 346 Twine Baler w/Kicker
JD 347 Wire Baler
Nitrogen Applicator w/Tanks
AC 14' Disk Harrow
IH #60 Stalk Shredder
IH 500 Disk, 15'
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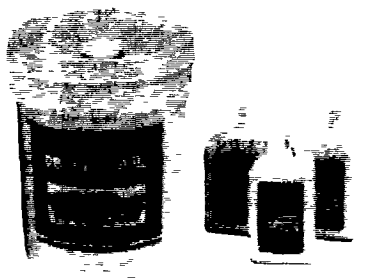

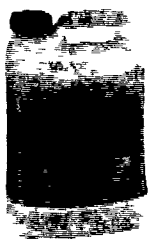

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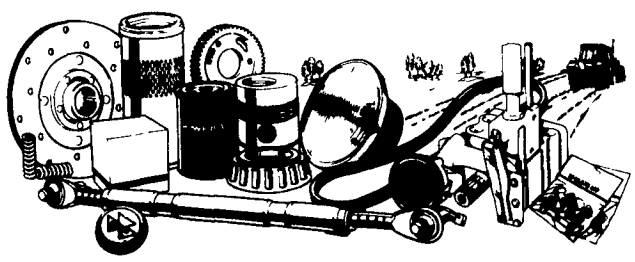

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- 3000 Ford, New Tires $4,400
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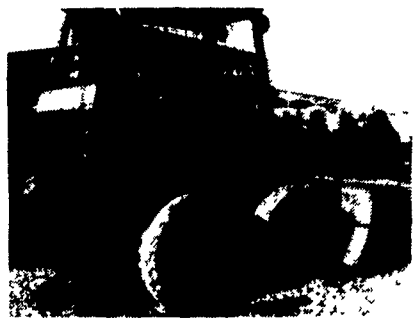

JD 70 25 HP Onan Gas Hydrostatic Drive - 2 Buckets
$3,950

JD 210 Disk 11'5" Covers 12'10"
$3,250

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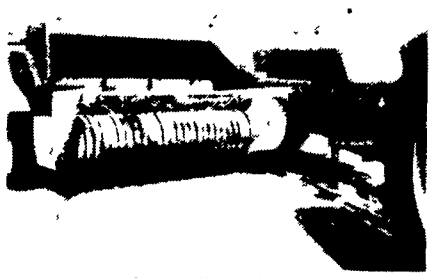
$5,900



JD 347 Wire Tie Baler
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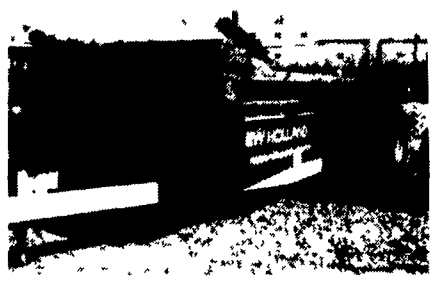
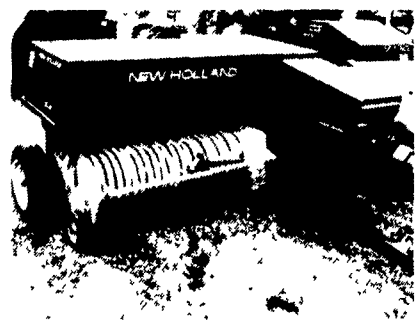
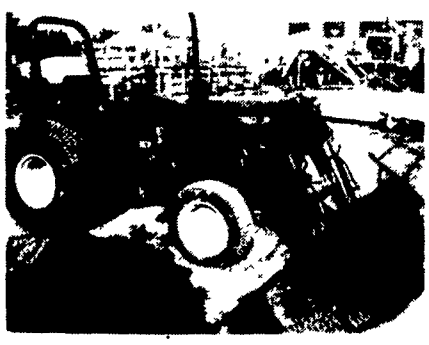


NH 790 Spreader 358 Bushel
$3,500

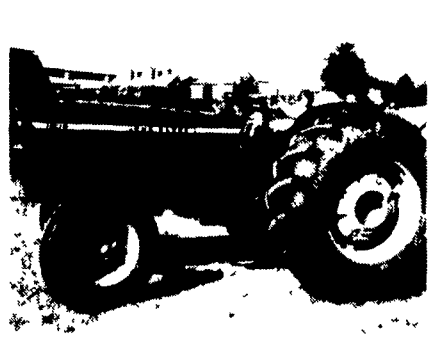
Roskamp 9x24 Roller Mill Mixer, 100 Bu. Tank
Demo **$8,500**



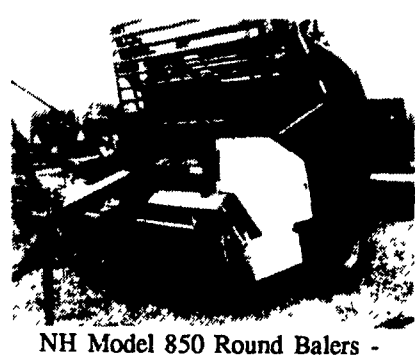
NH 315 Baler
$4,250



JD 750 MFWD Diesel 18 HP, Power Steering With Model 67 Loader 118 Hours



JD 1530 Diesel 45 H.P., Clean Very Nice Condition



NH Model 850 Round Balers - Makes 1500 lb. Bales, Good Condition
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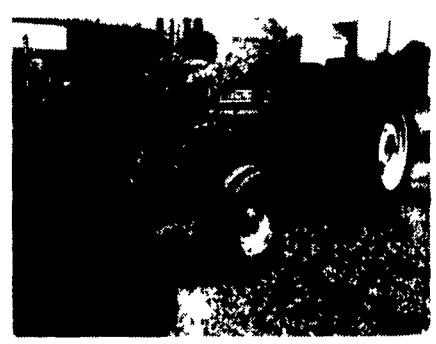

IH 84 Hydro Diesel 60 H.P. With Model 2250 Heavy Duty Loader, 3037 Hours, 1 Owner

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Grinder Mixers
NH 351 80 Bu.
NH 352 80 Bu

Tractors
Ford 5000 Diesel
JD 4020 Power Shift with Cab
JD 410 Tractor, loader, hoe
JD 2010 Gas Tractor, loader, hoe

Rakes
NH 256

Forage Blowers
NH 28

Mower Conditioners
JD 1209 9 Ft.
IH 225 Self Propelled
NH 9 Self Propelled

Corn Planters
JD 7000 6 Row Narrow Conservation
AC 600 Series, No Till 4 Row Corn Planter w/70 Series Units A1R

Balers
NH 276 Baler w/Thrower
IH 440 Baler w/Thrower
NH 273 Baler w/Thrower
JD 346 w/130 Ejector
NH 315 w/170 Thrower
NH 320 with 158 Thrower

Tedder
Kuhn GF452 TB Tedder

Harvesters
NH 892 NH 718

Forage Boxes
JD 126 JD 214
Grove Hydraulic

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NH #304 Side Delivery Spreader (Demo)
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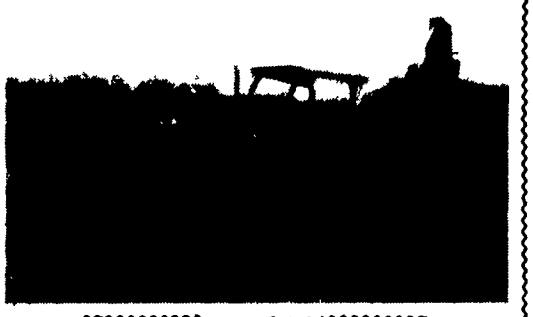
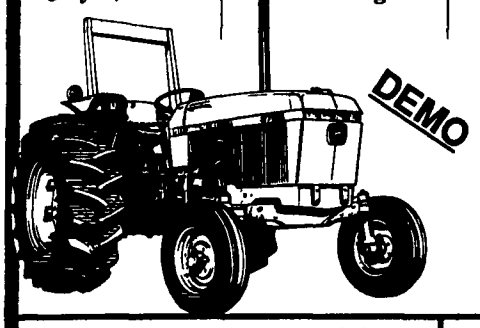


JD 510
w/Extend-a-hoe
$9,800
301-833-9091

New Year, New Savings

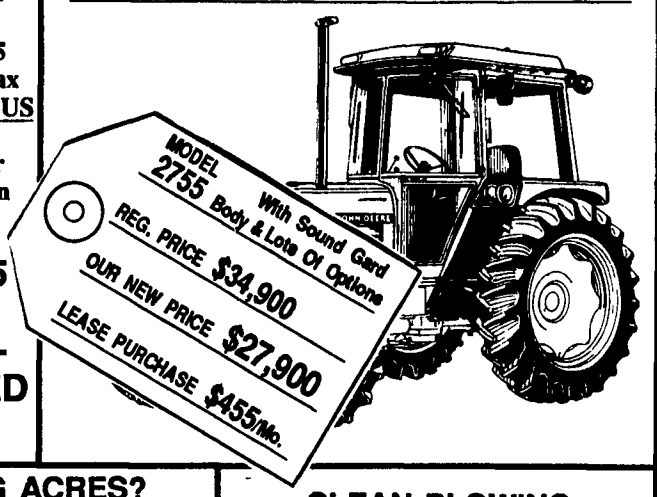
3 WAYS TO SWEETEN YOUR DEAL

1. - Waiver $17,950 With No Interest Until July 1, 1989
2. - Low APR Finance Rates With 0% 18 Mo. Financing.
3. - Lease Purchase $295 Per Month Tax Deductible PLUS We Will Pay You Cash For Your Trade-In



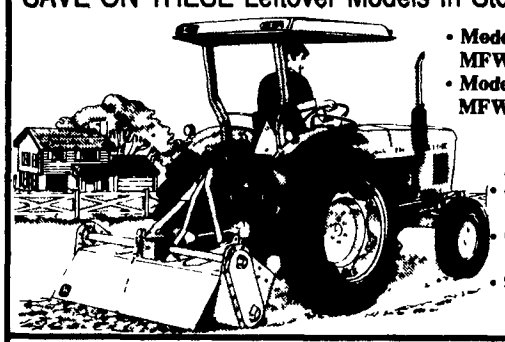
JD 2755 75 HP TURBO-CHARGED

GOOD DEAL NEWS



OLD PRICES-NEW YEAR SAVINGS

SAVE ON THESE Leftover Models In Stock Now

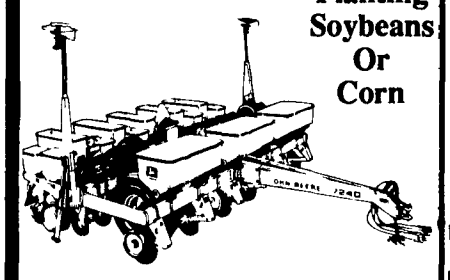


- Model 850 MFWD 22 HP
- Model 950 MFWD, 27 HP

YOUR CHOICE
- 4.5% APR Financing
- Cash Discounts
- 9 Month Waiver

NEW 7240 11 ROW CORN SOYBEAN PLANTER

We've Got The Planting Accuracy You Need For Planting Soybeans Or Corn

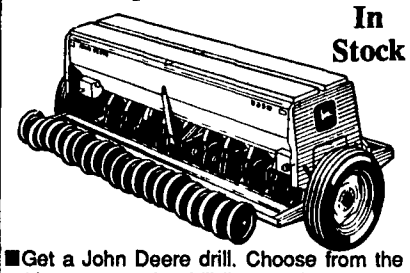


- It's a narrow row planter; it's a wide row planter — all in one! Plant 15-inch beans in the morning, then raise alternate row units for 30-inch corn in the afternoon. It's as simple as that! And you get accurate MaxEmerge® 2 seed placement, too.

Waiver Of Finance Until April 1, 1989

GOT BIG ACRES? GET THE BIG DRILL

Grain Drills And Soybean Special Drills In Stock



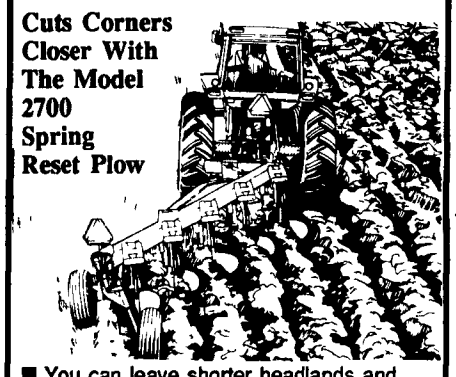
- Get a John Deere drill. Choose from the biggest capacity drill line on the market.
- You've got choices in feedcups, openers, gang press wheel attachments and depth gauging press wheels for soybeans.
- Customize your drill to match your drilling needs. 8- to 40-foot widths. See us today for down-to-earth seeding accuracy.

BUY NOW - NO FINANCE CHARGES UNTIL MARCH 1, 1989

IN STOCK Model 8300, 23x7 13 Ft. With Adj. Depth Press Wheels Att. USED 200 ACRES
- $5,950

CLEAN PLOWING

Cuts Corners Closer With The Model 2700 Spring Reset Plow



- You can leave shorter headlands and plow closer to fences and other obstructions with John Deere 2700 plow Unique hydraulic steering and a double-pivot hitch give you more positive, more accurate control
- You can also adjust cutting width to match your horsepower to field conditions.

Cut A Good Deal On A Plow With Us!
JD 2700 6 Bottom Spring Plow (1 Only)
$7,995

Waiver Of Finance Until March 1, 1989

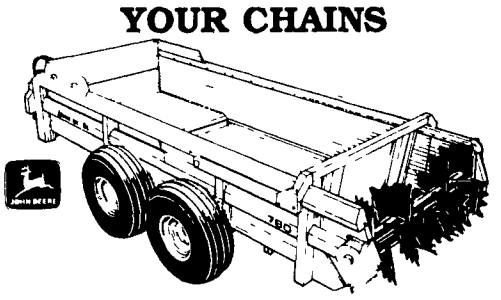
NEW! MODEL 350 SPREADER

See It At The PA FARM SHOW!

This New 180 Bu. Capacity Spreader Has A Host Of New Features That Are Intended To Meet The Growing Demands Of Today's Farmers.

FEATURES:
- Hydraulic Apron Drive With 6 Unloading Speeds Controlled From The Tractor
- FRP Fiberglass Reinforced Plastic Floor
- Duraply Sides With Lifetime, Limited Warranty
- Large 30½ " Dia. Main Beater, 25% Larger Than Competitive Units For Improved Spread Pattern
- Worm Gear Drive Main Beater

FREE YOURSELF OF YOUR CHAINS



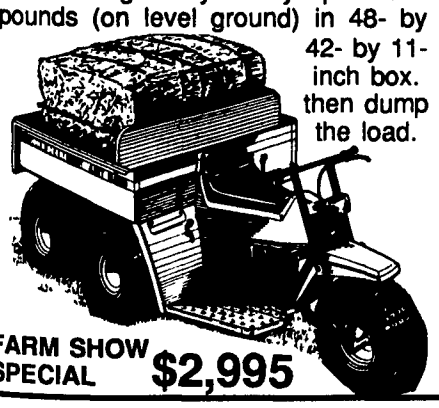
You've Tried The Rest... Now Try The Best

John Deere Hydra-Push™ spreaders have no chains. And none of their problems. This unique design uses a moving panel and sliding floor to push manure into beaters. Fast as 15 feet per minute. There's no fall-back and it's virtually self-cleaning. A real time-saver.

SEEING IS BELIEVING! CALL FOR A DEMONSTRATION ON YOUR FARM
MODEL 450 225 Bu. Capacity
MODEL 780 370 Bu. Capacity
IN STOCK NOW!

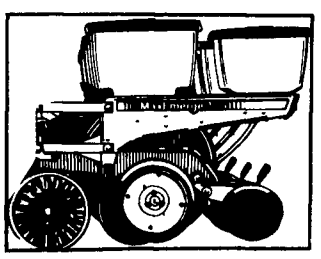
AMT™ 600. WHEN YOU'VE GOT WORK TO DO.

All Materials Transport gives you true hauling ability. Carry up to 600 pounds (on level ground) in 48- by 42- by 11-inch box. then dump the load.



FARM SHOW SPECIAL **$2,995**

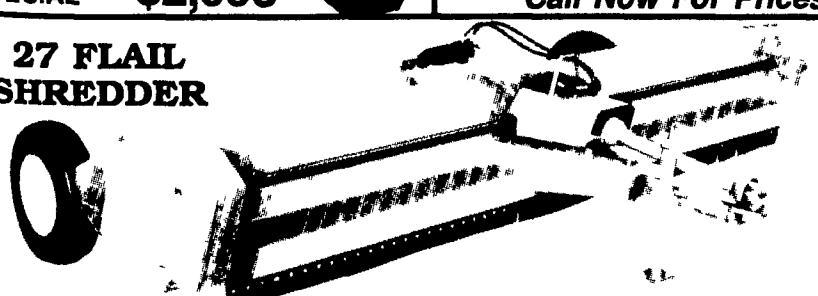
TWO ROW PLANTERS NOW WITH JOHN DEERE MAX EMERGE 2 PLANTING UNITS



FEATURES
- Infinite Row Spacing From 15" to 42"
- Can Be Used For Conventional Till, Minimum Till Or No-Till
- Can Be Used For Planting Sweet Corn In The Furrow With Special Furrow Openers

Call Now For Prices Or More Information!

27 FLAIL SHREDDER



Pulverize Six 30 Inch Rows Of Corn Stalks Easily With This 14 Foot Flail Shredder - *In Stock Now!*

ABC GROFF
Since 1890 a name you can trust

Mon.-Fri.
7:30 AM to
5:30 PM
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MF 1135
Runs Well
$5,800
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LORLIN TRACTOR SALES

IH 1066
Dual PTO, 38 Rubber, Clean
$6,500

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Can Finance — No Sunday Calls

IH 3288
Cab & air, 1 owner,
low hrs.
$18,500
Also Available
IH 3688
Cab & air, 1 owner, low hrs.
$18,500
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KELLY RYAN
BIG BAGGER

1-8' KELLY DEMO
8-9' 2 WH. BAGGER
9-10-12' OVERBEAM
GENERALSTOR BAG
+B/W BND TRCH. COVERS
KIDD R-Sq. Bale CHOPPER
4 & 6' Sizes
CUSTOM BAGGING
New 8" Kelly
$12,445
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Ph. 717-328-3177

GUNTHER HEUSSMAN INC.

SO. 5TH ST., EMMAUS, PA. 18049 — **215-965-5203**

Call John Bolton or Gunther

TRACTORS

1981 JD 4640 Diesel Cab, Air, Power Shift, 20x38 Radial & Triple Hydraulic SOLD
JD 4620 Dsl., 3600 Hrs., very nice
JD 4450 Dsl., Cab & Air, 15 SP, P. Shift, Radial Duals, Excellent
JD 4440 Dsl., Cab & Air, Quad Range, 20x38 Rubber, Very Nice
1977 JD 4430 Dsl., Cab & Air, 18x38 Radial Rubber, very nice
JD 4430 Dsl., Cab, Air, Quad, 18x38 Rubber, very nice
JD 4320 Dsl. SOLD Cab, 4200 hrs., one owner
JD 4320 Dsl. Roll Guard, Cab, 3100 hrs., very nice
JD 4240 Dsl. Cab & Air, Power Shift
JD 4240 Cab, Air, QR, Quick Coupler & Weights, very nice
JD 4230 Dsl., Power Shift, w/Rollguard, 18x38 Rubber, One Owner Tractor
JD 4030 Dsl., Quad Range w/Cab
JD 4020 Dsl SOLD, Syncro Range
1972 JD 4020 Dsl. Side Console, Dual Hydraulic, WF, Radial Rubber, 4000 hrs., Local Trade
JD 3020 Dsl., Power Shift, Side Console, WF, very nice
JD 3020 G SOLD ide Console, WF
JD 2950 Dsl. w/Cab & Air
JD 2750 Dsl., Hi-Lo, Ind. PTO, Excellent Cond.
JD 2640 diesel, high-low, ind. PTO, roll guard & canopy, one owner, very nice
JD 2350 Dsl., Ind. PTO, 1100 hrs., Very Nice
JD 2240 Dsl., Dual Hydraulic
JD 2030 Dsl. w/Direction Reverser & 145 Loader
JD 830 Dsl. 3 Cylinder Utility, low hrs.
IH 1086 Dsl., Cab, Air, very nice
IH 1066 Dsl. Fender Tractor 18x38 Rubber, Very Nice
IH 986 Dsl., Cab & Air, very nice
IH 886 Dsl., SOLD Air, one owner
IH 856 Dsl., WF, 3PT
IH 766 Dsl., Black Stripe, Fender, 2400 hrs., very nice
MF 2705 Dsl., Cab & Air, 18x38 Rubber, Very Good
MF 165 Dsl., SOLD P. Steering, WF
MF 85 Gas, WF, P. Steering, Ind. PTO
MF 50 Gas, 3PT, P. Steering, WF, exceptionally nice
1987 Ford 8210 Cab, Air, MFD, 450 Hrs., Like New
1986 Ford 3910 Dsl., 600 hrs., Excellent
Ford TW10 Dsl. Ca SOLD Air, 2400 hrs., very nice
Case 530 Loader & Backhoe
AC XP190 gas, cab & air
White 2-105 Dsl. Cab & Air, 1290 Original Hrs.

COMBINES

1982 JD 6620 Side Hill, Fully Equipped, Very Nice
Gleaner F Gas w/Cab & Grain Table, Excellent
JD 4420 Dsl. Cab, Air, 1600 Hrs., Header Height Control, Choice of Heads
1982 JD 6620, Hydro, Cab & Air, 4WD, Turbo, Excellent Choice of Heads
1972 JD 4400 Gas, Good Solid Machine, Choice of Heads
AC Gleaner K2 Cab, 13' Flex Platform, very nice
1973 JD 4400 Gas Combine, w/Grain Platform, Good Solid Machine, $4950
Corn & Soybean Chopper to fit JD 3300-4400
JD 213 & 215 Rigid Heads
AC F or F2, 13' or 15' Flex Head, excellent
JD 218 Black Reel Flex
MF 13' Ridgid Grain Platform

HAY EQUIPMENT

NH 499 Hydroswing Haybine, Used 2 Seasons
JD 327T Baler w/ejector, like new
JD 337T Baler w/30 Ejector, Excellent
JD 336T Baler w/30 Ejector
NH 277 Baler w/Thrower, very nice
NH 495, 1 SOLD ybine
NH 489 Haybine, Excellent
NH 479 H SOLD e, Excellent Condition
NH 478, 7' Haybine
IH 990, 7' Mower Conditioner
JD 1219 SOLD r Conditioner, Exc.
JD 1209 Mower Conditioner
Vicon 7' 3PT Disk Mower
NH 846 Round Baler, Auto Wrap, excellent
NH 851 Round Baler, Very Nice
Kuhn 17' Hay Tedder, New
JD 7" Hay Pick Up w/gauge wheels
JD 5½ ' Hay Pickup
JD & NH Hay Rakes

TILLAGE

JD 3x16 F145 Semi Mtd. Plow
IH 720, 4x18 Toggle Trip, Like New
IH 710, 4, 5, & 6x18 Spring Reset
AC 3PT 8 Tooth High Clearance Chisel Plow
IH 730, 4 Base Spring Reset Variable Width Plow
IH 720, 6 Base Spring Reset Plow
JD 310, 1 SOLD sk
Hutchma SOLD 4' Offset Disk
JD TWA 12' Plowing Disk
JD 230, 20' Hydraulic Wing Fold Disk
JD AW 13' D SOLD arrow
Brillion 14' Roller Harrow, Inboard Wheels, Late Model
Lely 12' Rottera
Glencoe 13' Soil Saver
Glencoe 5 Tooth Soil Saver, like new
JD & IH 16 & 18' Hydraulic Fold Field Cultivators

BALE WAGONS

NH 1037, Tandem Axle, 105 Bale Capacity
NH 1034, Tan SOLD Axle, 105 Bale Capacity, Single Bale Unload
NH 1033 Tandem Axle, 105 bale capacity
NH 1003, 80 Bal SOLD pacity, Late Model

CORN PICKERS

NI 324, 2RW 12 Roll Bed, Late Model
NI 323, 1R, very good

CORN PLANTERS

JD 1240 4R Plateless Dry Fert. Insect. Disk Openers

NEW ARRIVALS

1980 IH 1086 Dsl., Cab, Air, 2600 Hrs., Very Nice
JD AT40, 4R Front Mtd. Cultivator
JD 2940 Dsl. Fully Equipped
1970 JD 4020 Dsl., Side Console, WF, Dual Hydraulic, Very Nice
JD 3960 Harvester, Elec. Controls, Corn & Hay Heads
NH 352 Grinder Mixer, Very Nice
JD 213 Black Reel Flex Head, Used 1 Season
NI 325, 2RN 8 Roll Bed
Brillion 12' Roller Harrow, Inboard Wheels
JD 7000, 6RN Liq. Fert., Insect., Monitor, Notill Coulters
JD 7000, 4RN Dry Fert., Insect., Monitor, Notill Coulters
Hardy 500 gal. Tandem Axle Sprayer, 40' Boom, (NEW)-- Below Dealer Cost
NEW Deutz Fahr Hay Tedders, 10-17-24' Models
JD 7000 4R SOLD ert., Insect., Monitor, Min. Till Coulters
JD FB 15x7 SOLD A Drill, Grass & Fert., Excellent Cond.

CORN HEADS

JD 244, 2RW
JD 343, 3RN Corn Head
JD 443, 4RN
JD 443, 4RN, Low Profile
JD 444 Low Profile, 4RW
JD 444, 4RW
JD 643, 6RN Low Profile
JD 643, 6R 30
JD 235 2RW 55
IH 844, 4RW
MF 44, 4RW Corn Head
MF 1144, 4RW Corn Head
MF 1163, 6RN
MF 1143, 4RN, Like New
AC 438 Black Corn Head
AC 430 Black, 4RN, Excellent

MISCELLANEOUS EQUIPMENT

JD 709 3PT SOLD y Mower
JD 148 Loader, Like New
Brillion 8' SOLD a Seeder w/ Double Box & Transport
IH 1850 Loader, w/Valve, excellent
IH 2250 & 2350 QT Loader
IH #50 St SOLD redder
Brady 144 SOLD k Shredder
18x38-18x34-20x38 Duals
Donahue Equipment Trailer
Gehl 95 Grinder Mixer
Case IH 5100, 24x6 Grain Drill w/Grass Seed, Planted 40 Acres
JD 48 Loader for Row Crop Tractors
JD 318 Lawn & Garden Tractor w/Mower Deck, very nice
JD 400 Rotary Hoe (NEW)
Wrightway Rock Picker w/Hydraulic Reel

Krause 2400 Rock Flex 20' Hydraulic Wing Fold Disk, Like New

WE ARE CASH BUYERS FOR CLEAN, LATE MODEL FARM EQUIPMENT

STITZEL FARM EQUIPMENT, INC.

East Windsor St. & Krick Lane — Hamburg, PA 19526

Phone Bus. 215-562-8377 — Home 215-562-5740

Farm Show Visitors

Stop In And Visit Our Equipment Lot. We Are Only 5 Minutes Off Rt. 78 & 61 at Hamburg.

COMBINES w/Good Selection Of Heads: We have 16 late model, very nice, local, one-owner combines.

1981 NH TR85, 4WD, V8, Hydro, full equipment.

M.F. (82) 850 4 WD Hydro w/16' Flex + 1163 C.H., 900 hrs., real nice, $47,500 $45,500.

JD 8820 fully eq. w/Turbo Hydro w/Reverse feeder house and chopper $27,500; JD 7720 and 6620 available with 4WD.

JD '81 Model, 6620 LL, w/215 flex, real nice.

JD '81 Model 6620 LL w/216 Flex, very nice.

JD (81) 6620 Side Hill w/700 hrs., looks like new.

1976 JD 7700, real nice.

JD '81, 7720, Cab, Air, Turbo, Hydro w/220 Flex.

JD 6620 LL, 1 owner, nice, $27,500 $25,500.

JD (81) 4420 C.A., Real Nice, 1100 Hrs.

(75) 6600 D. Rotary Screen good.

JD 3300 gas Rotary Screen w/10' Grain

JD 3300 Gas w/10' Grain.

1977 JD 4400 D., C.A. w/23x26 tires, $11,500.

MF (84) 550 Cab, Air, Hydro w/13' Flex & 1143 C.H.

MF 550 D., C.A., low hrs.

MF (76) 750 Cab, Air, Hydro Gleaner F2 D, C.A. w/13' Grain & 438 Corn, Nice.

Gleaner F2 D C.A. w/13' Grain.

(77) IH 815 D., C.A. Hydro, 4WD w/810 Grain & 4R Corn.

IH D 915 C.A. Hydro w/863 & 810 Grain.

IH (77) 715 D. C.A. w/810 Grain & 844 Corn Heads; IH 715 Gas, C.A. w/810 13' Grain; NH TR70 C.A. Hydro w/Cat Dsl.

IH 715 Gas w/Cab & 810 grain for $4,850; MF 300 Gas w/Cab & 2 QT Heads, good condition; IH 80 & 82 Pull Combine; (75) 510 D. Hydro w/Cab; N.H. TR70 C.A. Hydro, Gleaner (76) FD. w/C.A.-Nice; IH 105 w/ Cab & 10' Grain, nice; IH 205 Combine w/Cab & 10' Grain.

NI 709 Uni, CA, Hydro, 4WD; N.I. 702 & 705 Uni-Systems w/Full Eq.; NI 702 Uni w/727 Bed, 729A Sheller & C.H.; NI 702 D. w/727 bed & 3R C.H.; 767 Super Chopper; NI 727 Husking Beds; NI 737 Husking Beds; N.I. 729A Shellers; NI Uni 740 Feeder House.

CORNHEADS: JD 844LP; J.D 843 LP, 443 LP, 643 LP, 643, 444 LP, 444, 443, 344, 343, 244, 243; 205 (40) 234, 435; JD 454 Row Crop Head.

I.H. 863; 844; 843; 833; 744; 327, 3R; 227.

A.C. GL 440, C440, A438 Black, A630 Black, L2, M430, Gleaner C430 C.H., F335.

M.F. 1163, 1144, 1143, 63, 44, 33, 43, 24, 222, 422, 44—$900 & Up.

N.I. 846 N 6R C.H.; 738, 743, 730, 734, 725, 723, 762, 763; Ford 4-30"; Case (404); NH 962 4RW, 4RN, 6RN Corn Head.

NH 962 N3 & 962 W4; NH 924, 4RW; White 706N; Oliver White 4N; White 703.

GRAIN HEADS: J.D. Used 12'-15' Incl. 213 & 215 Flex & (2) JD 216 Flex; 213, 215 Rigid.

I.H. 810-13' Thru 17.5' w/ Reg. or Floating.

M.F. 10'-16' Reg. or Floating Bar; A.C. E10'.

N.I. 713 Flex Or Rigid.

NH 972, 20' Flex; NH 960, 13'; E 10' Grain Head.

TRACTORS:

J.D. New 2950 w/R.G.; Used JD 4650 C.A. P.S., MFWD; JD 4450 ROPS, PS, MFWD, 500 Hrs., Like New; JD 4250 C.A. P.S. MFWD; JD 2950 MFWD w/Rollguard; JD 2350 w/146 Ldr., 350 hrs.; JD 4840 CA PS, 18x42, 600 Hrs., One Owner; (3) JD 4840's C.A. P.S. Duals & Quick Hitch; JD (82) 4440 C.A. PS; (82) JD 4240 C.A. QR; JD 4240 C.A.P.S.; JD 4040 Fender QR 18x38; JD 4040 P.S., ROPS; JD 2940 MFWD, real nice; JD 2940 w/Hi Lo, 2 Post R/G, $12,500; (82) JD 2640 w/Reverser & ROPS; JD (82) 2440 Full Eq., w/146 Ldr. & Grapple; JD 2040; 1977 JD 4230 C.A., Q.R., sharp, 2200 hrs.; 2940 w/R.G.; 8630 4 WD C.A.Q.R., Full EQ. w/ Duals; 4630 SR w/Cab & Air; JD 4630 PS, Syncro Range NICE; JD 4430, FWD, CAB, Air, Power Shift; JD 4430 C.A., QR, Originals; JD 4430 C.A.Q.R., 20.8x38; JD 4430 C.A.Q.R., 20.8x38 Radials; JD 4430, QR, cab front wheel assist; 4230 C.A.Q.R.; JD 4230 QR Fender; JD 4030 w/creeper trans.; 1530 w/Hi-Lo; (70) 5020 - $5,900; JD 4320 4WD, Real Nice; JD (8) 4020's 1964-1972; JD 4020 S.C., WFE, JD 4020 SC, Power Shift; 2 Hydraulics, Diff. Lock; 4020 S.C., W.F.E.; 4020 P.S., S.C., W.F.E.; 4020 w/58 Loader; JD (72) 3020 Tricycle Dsl.; JD 3020 D, PS, 2 Valves; JD 3020 Dsl., WF; JD 3020 D Tricycle; JD 3020 D, WFE; 2520 Dsl.; JD 3020 G.; JD 2020 Gas; JD 4520 R.G. & cooler w/30.5x32 tires; JD 4010 D, WF Nice; JD 4010 D. Tricycle, Real Good; JD 4010 D. WFE, Real Nice; JD 4010 Dsl., WFE; JD 430 Utility w/3 pt.; JD 3010 D., Tricycle; JD 2510 Dsl.; JD 2010 Tricycle Gas; JD 720 D., Tricycle; JD 620 Gas.

I.H. 3288 C.A.; I.H. (81) 1086 C.A., Western Interior, Full Eq., Real Nice; I.H. 1086 CA w/Dual Whls., original; 1586 w/R.G.; IH 1486 C.A. Full Equipment; IH 1086 ROPS, w/ Enclosure Very Nice; IH 986 C.A. Duals, Nice; 886 w/R.G.; 1800 Hrs.; F686 Original; F686, Good; F 1066 w/Cab; IH 1066 Cab & Duals; 1568 C.A. - 1,000 Hrs., Real Nice; 1566 w/Cab; 1976 Model 1566 CA, Black Stripe; 1466 w/Cab; IH 1466 w/ Cab & D SOLD iginal; IH F1466 Fender, Original; F1066 C.A.; 1066 Hydro - Original, $8,350; 966 Original; F966 WFE, 3 Pt., New TA & 38" Rubber; F766 w/Factory Cab; IH 684 Row Crop Utility; IH 584; 574 D. w/Loader, IH 574 D, NICE; IH 544 Utility Gas, Nice; Farmall 544 Gas, WF, 3 pt.; IH 544 U. Gas Hydro; IH 444 U. Gas w/IH 1501 Loader; IH 2504 Utility Gas, P. Steering; IH 404 Utility Gas w/ Wagner Ldr.; F504 Gas, WF, 3 PT; F1456 Fender w/Duals; 1256 w/Cab, Nice; F756 Dsl. WF 3PT 18x38, Real Nice; 756 G Hi-Clear; 656 Gas & Diesel; 656 D. Hi-Clear; 1206, Nice; 706 D. - W.F.E. - 3 pt. - $5,000; F706D., WFE, 3 pt.; F504 Gas, WF, 3PT; F560 D., WF, FH; F560 Gas, WF, Nice; F560 D w/Fast Hitch; F 460 Gas, WF, FH; IH 460 U. Gas, FH, PS & Shuttle; IH 350 Utility w/ Ldr. as is; Farmall 340; Farmall 300 Tricycle w/PS & FH; Farmall 200; Farmall 140 w/Cult.; Farmall M, H, Tractors; Super A w/ Sickle Mower, Plow & Cultivator; Farmall Super A w/Wagner Hyd. Loader w/Blade & Plow.

New AC 8050 C.A., P.S., rad. tires, fully eq.

A.C. New AC 6080; Used AC 6080 w/ROPS; AC 8010 C.A. 20 SP MFWD w/ Westendorf 64 Ldr.; AC 7080 CA 20.8x38 Duals; 7040 C.A.P.S., Like New; AC 7000 C.A., PS, Original; AC 7000 CAPS; AC 200 D original; AC 220, real nice; XT190D. w/3 pt.; AC 185 D, WFE, Sharp; AC D17 Series IV D. 3 Pt., WFE; AC WD 45, WF.

CASE IH 3294 CA MFWD, Radials, Real Nice; CASE Case 1594, P. Shift, low hrs., like new; Case 2590, CA, PS, 1600 hours; Case 2470, C.A., Real Good; 1370 C.A.P.S. Factory Duals; 2090 CAPS, $14,800; Case 1070 CA, Real Good; Case 870 Original; 930D, WF 3 pt.; Case 930 SD; 830 Gas, WF, 3 pt.; Case 995 Dsl. w/Ldr.

MF 265; MF 1135 CAMP 18x38; MF 1085; MF 165 U. Gas; MF 165D w/ Freeman Ldr.; MF 135 Gas w/PS; MF 1130; MF 65 D.

FORD TW10 DP & 20.8x38 Tires; Ford 9700 C.A. Dual Power; Ford 7600 w/ ROPS & Dual Power; Ford 6700 w/Dual Power & Ldr.; Ford 6000 Dsl.; Ford 5000 dsl., WFE, 8SP, Original; Ford 4000 Dsl., original paint; Ford 4000 Gas; Ford 3000 w/PS w/Ford 772 Ldr.; County Super 6, 4WD w/3 pt.; Ford 600; Ford 8N w/ Side Mtd. Mower.

WHITE 4-150 CA Duals; WHITE 285 ROPS 500 Hrs., Like New; WHITE 2-60 ROPS w/1510 Ldr.; White 2-70, ROPS, as is.

OLIVER 1855 w/New Tires; Oliver 2050; 1950 T w/ Cab - $5,975; Oliver 1850 D., WFE, Hydro Power; 1650 D., WF w/3SP; Oliver 1650 Tricycle Dsl.; Oliver 1550 D, WF; Oliver 1250 w/P.S.; Oliver 880 Dsl. Tricycle.

Tractors & Equip. Just Traded:

Oliver 1655 D, WF, Original; (2) JD 3010 D, WF; David Brown 1200; JD 716 Tandem Axle w/Roof; JD 10' Roller Harrow; JD 3960; JD 3940; JD 7000, 6R Planter; JD 2800, 7X Plow Onland; IH 510 Drill w/ Grass Seed, Real Nice; IH 800, 10B Plow; Ford 4B Plow; Ford 530 Baler; McConnell Wing Fold Harrow; IH 990 Haybine; IH 490, 28' Folding Disk; IH FH 2R Cultivator; Arps 3 Pt. Backhoe; Prentice #160 Knuckle Boom on Trailer; Brillion 7' Chisel; JD 430 Utility; AC 200 w/ Loader; Miller 12' Offset Disk; New NI 325, 2R 30" Picker w/12 Roll Bed; Lilliston 9860 No Till Drill, 3 Yrs. Old; Dual 5000 side dump wagon; 1983 Butler Batch Dryer.

New NI Corn Picker Parts: 323, 324, 325 Beater Units, H.D. PTO's, Elevator Extensions, Mechanical Lift Levers and Elevators

CORNPICKERS: (2) (Used) 325-2RN w/12 Roll Husker, Shellers & Super Shellers; NI 325 w/8 Roll Bed; (4) (Used) 324-2RW w/12 Roll Huskers; Shellers & Super Shellers; (3) NI 323, 1R Picker, $1950-$2250; NI 323 $1275; NI 323 $1675.

New N.I. 329 Super Sheller List $6700.00, Special $3,550; N.I. 330 - 3 RN w/ Supershellers; 325 2RN w/Grinder.

PICKER: NI 319 Mtd.; JD 43 PTO Sheller.

FORAGE EQUIP.: Forage Harvesters w/Choice of Heads.

JD 5820 C.A. Hydro, 4WD w/4R 30" Silage, 443 Snapper & 7' Hay PU; JD 5460, C.A. Hydro 4WD, 3RN & Hay PU.

JD 3960 w/2 Heads; Burnt JD 3960 Chopper w/2R Corn Head; JD 38 Chopper w/ Direct Cut Head.

N.H. 892 w/Elec. Controls, 2R & Hay PU; NH 782 w/ heads; NH 770 w/heads; NH 718 w/822 C.H.; NH Super 717 w/1R C.H. $975; NH 707 Chopper w/1R Corn Head; NH open end hay pickup heads, 6'; NH 890 w/2 or 3R C.H.; NH 890, 2R Super Head; NH 890 direct cut head.

IH 650 Chopper w/2RN & Hay PU; Fox Super D w/Cab 3R C.H. & PU.

Gehl 1200 Chopper w/Elec. Controls, 3 RW C.H. & Hay PU.; Gehl CB 1200 Chopper.

(2) GEHL 600 w/2R.

Hesston 7020 Chopper w/1R & Hay PU.

FORAGE HEADS: N.H. 717-S Direct-Cut for 770 & S717; 890 EN-2RN Snapper; 770-1R Snapper; (3) NH 822 Silage; 1, 2, & 3R Silage; NH 880W PU; NH 880 S Direct Cut; NH 890 N3 3R Corn; Incomplete.

J.D. 1, 2 & 3R Snapper; 2 & 3 R Silage, New & Used 5½ ' Hay Pickups; JD 243 C.H. w/adapter plate; 3 JD C.H. harvester adapter plates; JD 8' Direct Cut; JD 4RW Stalker Head.

IH Direct Cut Head for 650; NI 766 Hay PU.

FOX 984, 4R Silage; 2 CSB 2RW - Snapper; 263-2 RW; 109 Hay Pickup.

BLOWERS: NH 30; JD 66.

FLAIL CHOPPERS: (2) Used NH 38; Bearcat 72A; JD 16A; Bush Hog 4RW Stalk Shredder; MC 6R Stalk Shredder.

SILAGE WAGONS: JD 716 Tandem Axle w/Roof; Danco Tandem Axle w/ Roof; Gehl 810 Forage Box; Hesston #10 Stack Wagon; Blazer Silage Dump Station.

HAY EQ.: BALERS: New NI 555 w/560 Thrower, List Price $12,881, Sale Price $7,500; JD 337 w/ Thrower, used 2 seasons; JD 466; JD 336 Baler w/ Thrower; JD 327 Baler w/ Thrower.

NH 326 Baler; NH 320 w/75 Ejector, Real Nice; NH 320 Baler w/70 Thrower, NICE; NH 315 w/Chute, $2,900; NH 315 w/70 Thrower; NH 315 w/ Thrower; NH 282 No Thrower; NH 275 w/53 Thrower; NH 268 w/53 Thrower; IH 445 w/ Thrower; IH 430 w/#10 T; N.I. 456 Round; N.H. 851 Rd.; N SOLD Rd.; Hesston 5400 Round; MF 124 w/ Thrower; NH 851 Rd.; NH 850 Rd.

RAKES: JD 660 w/Dolly Whl.; JD 640 w/Dolly Wheel; IH 35 Hyd. Drive.

IH 14; Deutz Fahr 4 Star Tedder; Lely 2 Star Tedder; Pequea Hay Tedder; NH 256, 258; 55.

HAYBINES: (1982) NH 1495 D. C.A. Hydro, 800 Hrs.; NH 1495 D Hydro w/Half Cab; NH 1495 Gas SP; (2) 495; 489, SOLD w; (3) 489; 478; (2) 477; (2) NH 467; (2) JD 1219; JD 1207; NI 509, 9'; Gehl 1080 Discbine.

New MC 7E; (2) M.C. 7E; MC 9E Rotary Scythe; NI 272 Cutditioners; N.H. 1034 Stack Wagon; NH 1010 Bale Wagon; NH 1010 Bale Wagon, good condition; NH #90 Bale Mover; (3) 16' Wooden Hay Wagons.

PLANTERS: New NI Kinze 6R No-till, List $15,688, SALE $9,995; JD 7000, 6R Conserv. Dry Fert.; JD 7000, 6R Dry Fert., Fully Equipped; JD 7000 4R Liq.; (Used) 7000-6R Cons. Liquid w/No Till; 7000-4R Dry & Liquid; JD 4R Cons. w/Dry Fert. & Insect.; (2) JD 7000, 4R Dry Fert., Full Equipment; IH 800, 8RN End Transport w/Dry Fert.; IH 800, 6R Dry Fert.; IH 56, 4R; Hiniker 4R Econotill, No-till, w/Kinze Units; IH 56, 2R Pull Type w/Dry Fert.

DRILLS: NEW JD 16x8 DD Drill; JD 8350, 23x7 w/ Fert. & Seed; JD 8300 21x7 DD, Excellent; JD 8300, 21x7 DD Drill; JD FBB 17x7 Drill.

Tye 13' No-Till.

GRINDERS/MIXERS: Owatonna 450 w/Scales; Bearcat 1250; Gehl 115; NH 352; Farmhand 850 Tandem Axle; IH 1150.

TILLAGE EQ.: PLOWS: JD 3x16 Trip; Howard 4X Para Plow; IH 450 3-4X 3 Pt. Spring Reset; Ford 142, 4X; IH 710 4X Semi Spring Reset; Ford 130, 4x16, 3 Pt.; JD 5X 16" Semi Mount Plow; IH 720, 5X Toggle Trip, OLIVER 546-5x16 Spring Reset; Oliver 5-16 Semi; White 508, 6X Reset; JD 2800, 6B Semi, JD 2700 6X Reset, I.H. 700- 6x16 Spring Reset, JD 3200, 6X Reset; Oliver 6X Reset; (2) JD 945, 5X Semi Rollover; IH 155 5X Rollover Onland; (2) JD 2600S, 7X; JD 2800, 7X Onland; J.D. 7X, IH 710, 7X Onland; M.F. 6X On Land Hitch; IH 800 10X Flex Spring Reset.

CHISEL PLOWS: IH 5500, 7' Chisel Plow, Like New, Brillion 10'; New AC 1600, 12' Pull; JD 1600, 12' Chisel; New Lilliston 13' Chisel, Bush Hog 12', I.H 55-12'; (2) 7' 3 pt.; Bush Hog 10' w/Buster Bar; Brillion 12', w/Buster Bar, Tibben 12' Auto Reset Ripper.

DISCS: JD 110, White 252 12' Disk w/ New Blades; Bush Hog 11' Offset, JD 1630, 16' Heavy Disk, Taylorway 16' Rock Flex Disk w/ Harrow, Taylorway 16' Rock Flex, Manual Fold, JD 230, 21' Hyd Fold; JD 235, 25' Hyd. Fold Disk, IH 8' Transport, IH 470 18' Wing Disk, JD AW 13' Disk w/Transport & New Blades

MULCH TILLERS Willbeck 13', Willbeck 7 Tooth Soil Saver, Glenco SS18 Fold Soil Saver; Glencoe SS13 Hyd Fold Soil Saver, Brillion 9 Shank Soil Saver, Glencoe SS7 Soil Saver

CULTIMULCHERS Bearcat 10' Roller Harrow, Dunham Lehr 10' w/ Inside Whls., IH 415, 14', JD & Brillion 10', 12', 13' & 15', Turnco 25' Hyd Fold Packer

CULTIVATORS IH 80 2R Front Mount, IH 468, 4R Front Mt.; JD AT 40 4R Ft Mt, JD 2R, 4R S Tine, Lilliston 4R S Tine, McConnel 4R S Tine, McKee 4R S Tine, JD 4R Front Mount, (4) JD RG 4, JD & IH 6R 3 pt, IH 66, 6R Front Mount, JD AT40, 6R Front Mt, New IH 4500, 18' Vibra Shank; IH 16' Fold Vibra Shank Field, IH 365, 18' S-Tine Field, Brillion 18' Transport Folding Field, (2) 3 Section Drag Harrows, (2) 4 Section Drag Harrows

MISC: I H 5 & 7 Shank V-Rippers w/ Gauge Wheels, Glencoe Soil-Finisher 12'9" - Like New; (2) Howard 13' Rotavator, Knowles 16' wing trans harrow, used 4 acres.

Used 400-15', JD 400 Rotary Hoe, (NEW) JD 400 Rotary Hoe.

INDUSTRIAL: J D 840 Self Loading Scraper; Case 584 D Fork Lift, Davis 30+4 Trencher, IH 3414 Gas Ind Ldr. w/3 Pt. & PTO, Case 480 Gas Ldr., Howard 3 Pt. Backhoe; Cat 955 Ldr, As Is 1978 Case 580C Dsl L, B, ROPS, Cab w/Heat, Case 580B LB w/ ROPS, AC 715B L & B, IH TD14, Angle Blade, $2,995

SKID LOADERS: Owatonna 330 Hydro, real nice; NH L445 D Skid, NH L35, Bobcat 444; Hydro Mack 8C Skid Ldr., Bobcat 533 D Skid, Case 1845 D Skid.

LOADERS & BLADES: J.D 148, 158, 260, IH 1850, 2000, 2050; 2350, Case IH 74L, Case IH #90 Ldr, Like New, Artsway HD loader for 4WD, AC 500 Loader for 185, etc., (New) J D & I H Buckets, JD 8' Dozer Blade For 4430, Etc, JD 155, 9' Heavy Blade w/ Hydraulics, Amco 905 Heavy Front Blade; IH Fast Hitch Blade, Myers Snow Plow For JD 2440 Etc.

LAWN & GARDEN: JD 1050s w/ Power Steering, Dual Hyd., like new; JD 950D, Dual Hydraulics; JD 950 Dsl., 100 Hrs, JD 430 D. Mower/Hydraulic Dump; Satoh D w/3PT. Tiller, Cub 185 Loboy w/ Mower & 3 Pt; Cub 184 w/Woods Mower, Cub 154 Loboy w/3PT & 60" Mower, Farmall Cub Loboy w/ Mower, FH & Attachments; Sears 24HP w/Blade & Mower; Cadet 782, Cadet 1250, 128, 126, J.D. 400, 318, 317, 314, 214, 212, 210, 111; AC 620 w/3 Pt. & Mower; (New) Johnson Loader For Cub Loboy; Loader For JD 400; Kwickway Loader For Cub Loboy.

New Yanmar YFL 1000 Ldr.; New & Used York Rakes, Schutt 3PT Tree Digger.

ROTARY CUTTERS: Woods 214 Wing Mower; Used FMC 13'; JD 1408 Rotary Mower, Rebuilt; JD 1506 Wing Cutter.

SICKLE MOWERS: NH 450; NH 451; IH 1300 Dyna Balance Mower

MANURE SPREADERS: NI 354 Tandem Spreader; Martin V3300 Tandem Tank; Martin Scavenger II Tandem Axle; NH 387 Flail Tank; NH 363 Flail; JD 54, NI 218 Tandem Axle, JD 44.

Trailer load of (New) Killbros Bins & Running Gears; John Bean Roto Mist 100E Sprayer; NI 45' PTO Elevator; Zimmerman 36' Elevator; Allied TC41, 40' Grain Auger; Leon Rock Picker, Rex 400 Gallon Sprayer, Gehl BF190 Feed Wagon; IH 200 Feed Mix Wagon, Field Queen 1408 Side Dump Wagon; (New) McKee Snow-Blower Front-Mount, JD Quick-Couplers, JD Half Tracks For 6600 & 7700 Combines, JD WF, 4WD; JD 42" Cast Wheels and Tires, I H Flat Top Fenders For 706-1466, I H 66 Series Cabs, Ansel ROPS Cab For JD 2640, Etc, (New) Full Vision Cabs For M F. 275 & 285, Cab For Case 70 Series, Damaged IH 84 Series Cab, J D & I H Front & Rear Wts, JD 243 Corn Head w/ Adaptor Plate

Ford Cabover w/Rollback, $3,850 As Is, IH 1890 w/18' Grain Dump, $4,975

Muv-All 30' Hyd Implement Trailer

J D Roll-Guards, Fast Hitch for 560 & 450, JD belly mowers for JD 850 & 950 etc.

STRAW CHOPPERS For J D 4400, 6600, 6620, 7700, M F 510

MECHANICS SPECIALS TRACTORS: 4020 Tri

AC XT190, clutch, $3,950

JANUARY SPECIALS

TRACTORS	
JD 3020 D Tricycle	$ 4,500
I H 706 Gas, WFE, F H	$ 3,000
IH 706 D, WFE, 3 pt	$ 4,500
I H 1206 W F.E	$ 5,950
Case 1976, 1370 C A P S, Duals	$ 9,500
Case 1470, 4WD	$ 4,950
IH 1086 C A	$ 9,950
COMBINES	
JD 55 Square Back w/Cab, 12' Grain & 2R Corn	$ 2,500
1973 JD 6600 D C A w/Grain Head (Needs Work)	$ 4,500
JD 3300 G. w/Cab & 244 Corn	$ 4,500
IH '76, 915 D, Cab & Air, Turbo Hydro w/810 grain	$ 8,500
(76) Gleaner L Corn & Soybean Special, D, C.A, Hydro, w/16' Flex & 630 Corn	$ 8,500
IH 815 D. C.A. Hydro w/810 Grain	$ 8,500
M F. 510 Diesel w/Cab & Q T Grain	$ 3,800
TILLAGE EQ.	
JD 230, 22' Hyd Fold Disk	$ 2,900
JD 2800, 7B Reset Onland Hitch	$ 5,900
Ford 142, 6x Spring Reset Plow	$ 1,500
IH 700 6x Spring Reset	$ 1,975
MISC.	
Hesston 7020 Chopper w/1R	$ 950
Gehl 600 w/2R Corn Head	$ 1,500
JD 38 w/2R Corn Head	$ 1,000
Field Queen 1408 Side Dump Wagon	$ 1,500
IH 400, 6R Liq Planter	$ 375
JD 7000, 6R Liq w/No-Till	$ 4,950
JD 7000, 4R 30" Liq.	$ 3,000
JD 7000, 4RW Plate Planter	$ 2,500
New JD 8300, 16x10 DD Drill	$ 3,500

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Kubota L295 DT
Steiger ST 325, 350 HP
Steiger PT 225, 300 HP
Steiger Bearcat II
Case 1845 Uni-Loader
AC D17 w/Loader
Oliver 550
Oliver 550 w/Loader
MF 150 G
IH 606 w/Loader
IH 2544 w/Loader
IH 400
IH 806
IH 4568
IH 5088
IH 1066
JD 4840

TILLAGE

JD 220 Disk 16'
IH 550 Plow 5x16
IH 140 Rollover Plow 4x16
Brillion 19' Packer
JD 20' Packer
Bush Hog 1439 Disk 16'
IH 6500 Consertill 12'
IH 490 Disk 22'
Krause 12' Landsman
MF 880 5x16 Plow
Brillion 14' Field Cultivator
Krause 33' Field Cultivator
Krause 4138 Field Cultivator 38'
Case 14' Disk
Krause 1976 Disk, 33'
Krause 1966 Disk 31'
Sunflower Disk 29'
Dunham Lehr 23½ ' Crowfoot Packer
JD 2500 Plow 6x16
Brillion 21', Crowfoot Packer
Brillion 12' Cultimulcher
Oliver Plow, 4x16
IH 710 Plow, 6x18
Tebben Deep-Till, 7x30"

MISCELLANEOUS

AC 6 Row Planter
NH 256 Rake
NH 1495 Head
JD 8300, 23x7 Drill
NI 245 Manure Spreader
NI 299 Mower Conditioner
NH 28 Blower
NH 850 Round Baler
IH 47 Baler
Roanoke Hydraulic Boom Mower
Hesston 4800 Big Baler
NH 352 Grinder Mixer
FMC Model DM10E Sprayer
IH 60 Shredder

COMBINES

IH 1460 w/1400 Hrs.
MF 760
IH 915—JD 7700
IH 1460—IH 815

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Case-IH 885 w/Cab, 72 hp
Case-IH 885, 72 hp
Case-IH 2096 w/ROPS
Case-IH 7110, MFD

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Case-IH 5709, 3 Pt. Chisel Plow
Case-IH 4500, 12' VS Cultivator
IH 5507 3 pt. Chisel Plow

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Case-IH 900 6R Air Planter
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Case-IH 5100 16x7 Comb. D.D. Drill

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Case-IH 2255 Loader
Case 1835C, Gas Uni-Loader
Case 1845C, Uni-Loader

NEW HAY & FORAGE EQUIPMENT

Case-IH 86 Hay Rake, hyd.
Case-IH 1063 6RN Corn Head
Case-IH 8420 Round Baler

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IH 1066D tractor, (nice).....$10,750
IH F656 G Tractor, 3PT.....$3850
IH F 560 G Tractor w/2PT...$2350
IH F 400 G Tractor w/PS.....$1850
IH 574 G Tractor.....$6150
IH F-C Tractor w/imp.....$1350
MH 44 Tractor.....$750
JD 7000 6R Conv.-Till w/ liq. planter.....Coming In
Hesston 1014 + 2 hydro. swing.....$5850
NH 479 Haybine.....$1350
IH 5 Flail Chopper.....$950
IH 990 Mower Cond., 9'.....$1450
JD 16A Flail Chopper.....$950
IH 843, 4RN Corn Head.....$2650
IH 120 Forage Box w/ 12T Gear.....$3350
IH 510 5F 18" Plow.....$1750
IH 535 3F 16" Plow.....$750
IH 710 5F 16" Plow w/Cyl.....$1650
Badger For. Wagon w/roof...$2350
NI 622 For. Blower.....$950
Ont. 13x7 SD drill.....$650
IH 56 4R Planter.....$950
5th Wheel Wagon Chassis.....$485
Myers 8' Frt. Blade w/Mounting$750
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JD 655, 4WD
JD 2755
JD 2955 SG 4WD

PLANTING EQUIPMENT

JD 7000 Cons. Pltr. 6R
JD 7200, 4R Vacuum Planter
JD 7200, 6R Vacuum Planter

TILLAGE EQUIPMENT

JD 1010 Field Cult.
JD 710 Mulch Tiller, 8'9"
JD 415 Rotary Hoe

HAY TOOLS

JD 338, 348T Baler
JD 662 Rake
JD 1217, 1219 Mower Conditioner

OTHER EQUIPMENT

JD 175, 245 Loader
JD 506, 603, 709, 1508 Rotary Cutters
JD 350, 450 Spreader

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JD 3300 Combine w/13' Platform
IH 715 Combine w/743 C.H. & 810 Platform
AC 8030 Tractor w/ Cab, PS, 2385 Hrs.
JD 950 Roller Harrow 12'
Fox 2000 Field Harvester w/2RW C.H. & 7' Mower Bar
JD 7000, Conservation 6R Planter, Dry Fert., Dual Rate Monitor
NH 276 Baler w/Thrower
NH 275 Baler w/Thrower
NH 273 Baler
JD 215 Disk Harrow, 14'3"

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Case 580CK Tractor Loader
Case 580D Loader Backhoe
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IH 225 Hay Swather
Gehl FB99 Blower
Gehl HA 900 Hay Pickup
Gehl 2RN Row Crop
Gehl 2RW Row Crop
Gehl 1460 Round Baler
NH 25 Forage Blower
JD 800 Windrower

Miscellaneous

Gehl 120 Grinder Mixer
JD 750 Grinder Mixer
NI 325 Corn Picker
NI 5 Bar Rake
Case Garden Tractors
Case 5 Tooth Chisel
NH 790 Manure Spreader
Meyer Snowplow, 7 Foot

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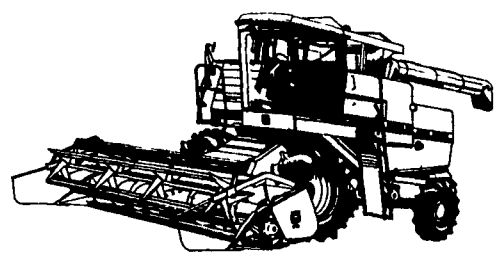
'81 MF 230 diesel
'85 JD 2550
'75 AC 200 w/cab & air
'65 JD 4020, diesel, WF, super sharp
Ford 4000
1976 JD 4030, quad range, 4 post, roll guard

MISCELLANEOUS

IH 990 haybine
NI 299 mower conditioner
IH #60 flail mower, 14'
MC 12' flail mower
JD 35 harvester w/2 RW head
JD RG 4 row cultivator, (4 row wide)
JD F145 5-16 semi plow
JD 7000 4 row wide, notill, dry fert., insecticide, monitor
JD 7000 6-30 dry fert., insecticide, monitor
JD 7000 8-30 dry fert., insecticide, monitor
JD 450 spreader
Glenco 10' chisel plow, 3 pt.
JD 210 disc harrow 12' 7
JD 27 shredder, 13'

JD 3970 Forage Harvester, Super Sharp w/row track, spout track, metal detector 7½ ' custom pickup attachment 3 row wide corn head



COMBINES

Int. 1460 w/1020 cutter bar

1977 MF 750, hydrostatic drive, 44 corn head, 15' cutter bar

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1987 JD 6620 Titan II, 2 WD, 218 hrs., hydrostatic, loaded w/216 flex cutter bar
1987 JD 8820, Titan II, 4WD, loaded w/JD 220 flex cutter bar, JD 843 corn head

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JD 722 Mulch Finisher, 24' 8.....$12,500

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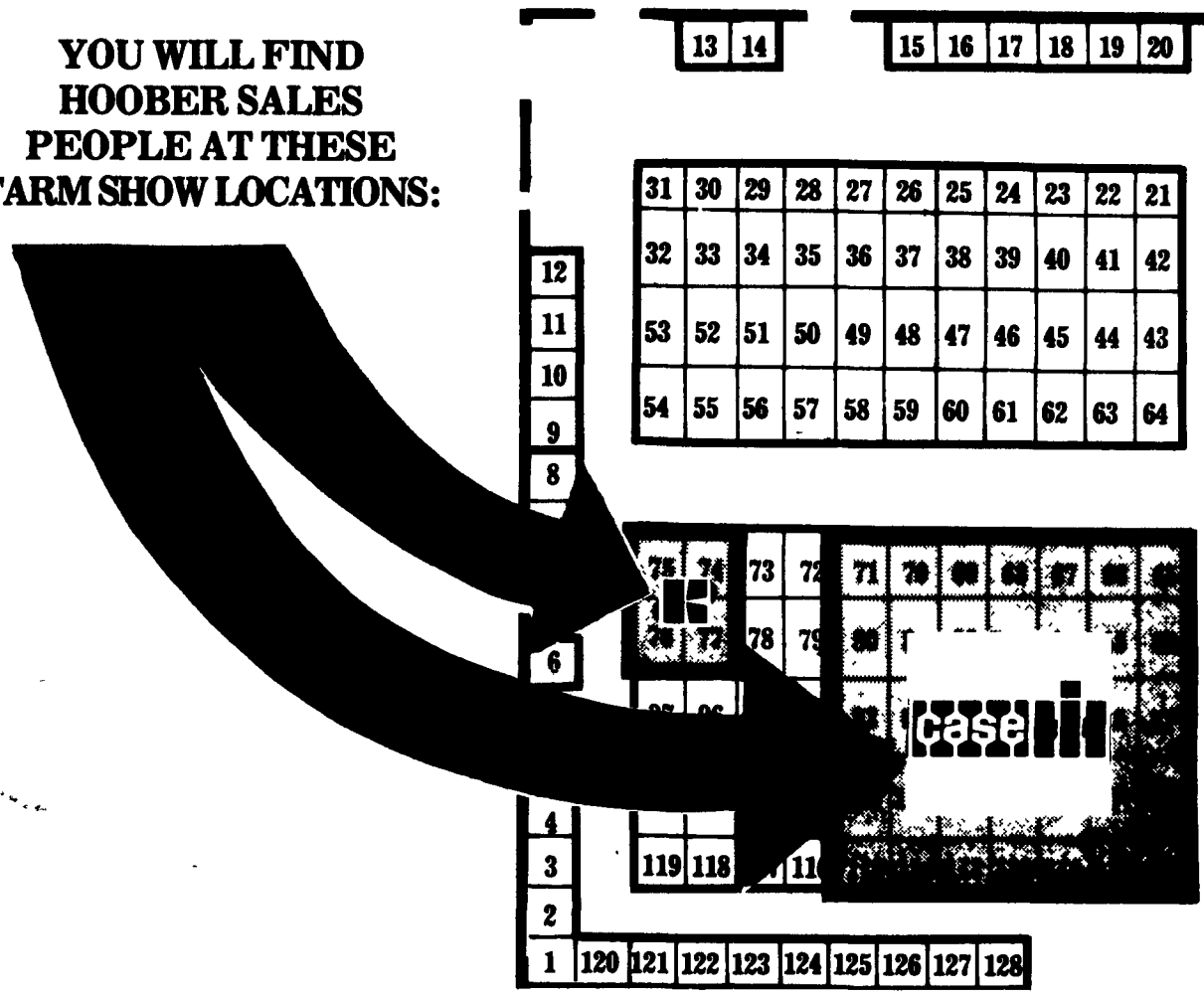

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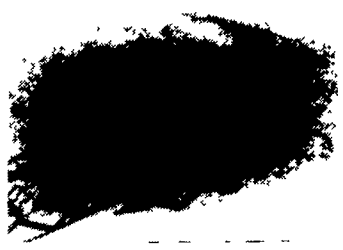


Landoll 7 Shank Slicer Chisel, 11Lx15 Tires (T3504)

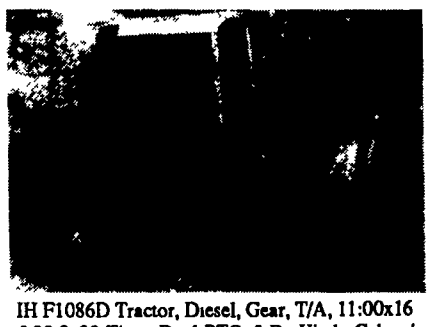
Glencoe Soilsaver, 11 Shank, Good (T3139)

Landoll, 15" Shank Slicer-Chisel, 18" Slicers, Buster Bar Finisher (T3274)

John Deere 1700 Mulch Tiller, 13 Shanks (T3651)

TRACTORS

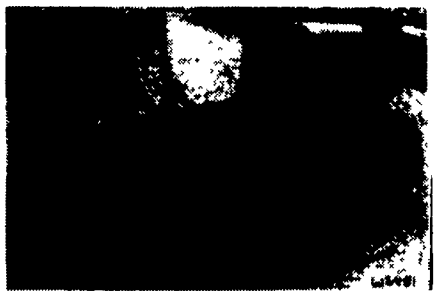
Minneapolis-Moline Model 1600 4 WD, Diesel, Dual 18.4x34 Tires, Cab (W3389)



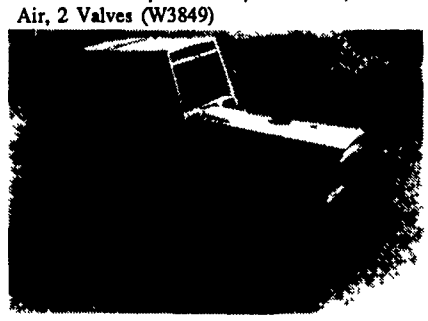
IH F1086D Tractor, Diesel, Gear, T/A, 11:00x16 &20.8x38 Tires, Dual PTO, 3 Pt. Hitch, Cab w/ Air, 2 Valves (W3849)

IH F1086 Diesel, Gear, TA, 18.4x38 Tires, Dual PTO, Cab w/A/C (W3500)

IH F1086D Tractor, Diesel, Gear, Cab, Sharp (W3691



IH 3588 2+2, AC, TA, 18.4x38 Dual PTO (W2244)

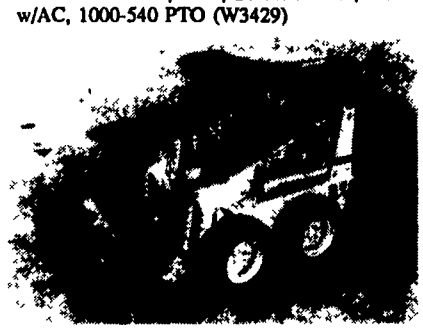


Case 1370 Diesel, Gear, 20.8x38 Tires, Cab w/AC, 1000-540 PTO (W3429)

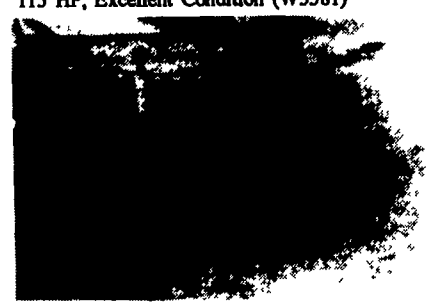
IH F966 Diesel, 16 Spd. w/TA, 18.4x38 Tires, 115 HP, Excellent Condition (W3581)

White 4-150, 4-Wheel Drive, CAT Engine Cab w/Air & Heat, 1000 RPM PTO (W3295)

IH F1066, Diesel, Gear, T/A, 540/1000 PTO, 20.8x38, 88, Good Mechanically (W1715)

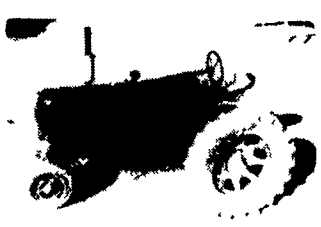


Case 1835B Uniloader, Diesel, Hydro, 10.00x 16.5 Tires, 795 Hours (W3827)



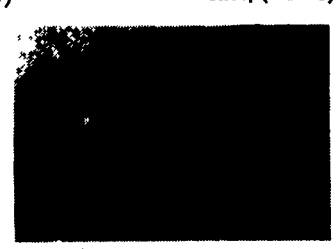
AC Model B, Gas, Gear, 540 PTO, 11.2x24 Tires, (W3275) **Price $850**

IH Farmall H, Gas, Gear, 540 RPM PTO (W3421)



IH F400 Diesel, Gear (W3807)

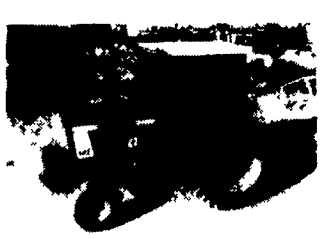
IH F656, Gas, Gear, 540 PTO, Narrow Front, 15.5x38 Rear Tires (W3615)



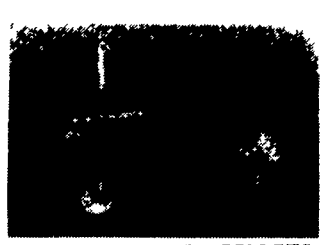
IH F656 Diesel, Hydro, Wide Front, 16.9x30 Tires, 540 PTO, 3 Point Hitch (W3369)

IH F706D Gear, Dual PTO, 18.4x34 Tires TA (W2925)

IH F1066 Diesel, Gear, 18.4x38 Tires (New), 2 Valves, 3 Point Hitch (W3806)



IH F1066 Diesel, Gear, 20.8x38 & 10.00x16 Tires, 2 Valves, 540/1000 PTO, Year-A-Round Cab (W3789)



IH 464 Gas, Gear, 540 RPM PTO, 6:00x16 & 13.6x28 Tires, 3 Point Hitch (W3850)

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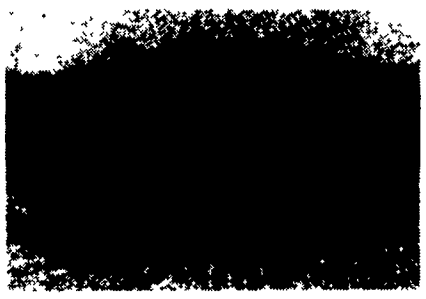

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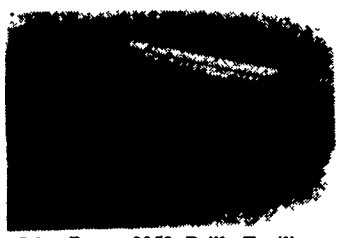

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Artificial Intelligence

RACINE, WI — If the development of the digital Intelligence Center by J I Case five years ago seemed like a milestone in machine electronics, hang on to your cap. According to design engineers at Case IH, as well as research engineers at some of the nation's leading agricultural universities, you haven't seen anything yet.

Foremost, the Case IH Intelligence Center set new standards in the amount of information it provided the tractor operator. Plus, the optional true ground speed sensor allowed farmers, for the first time, to monitor the percentage of actual wheel slippage for more precise control of planting and chemical application rates. But as impressive as the use of electronics in farm machinery has become, the applications have primarily been limited to monitoring or control functions.

Jim Ebbinghaus, vice president of the Farm and Industrial Equipment Institute (FIEI), predicts the biggest advancements will come when the two functions are linked.

"The applications are increasing every year," says Ebbinghaus, who also coordinates the FIEI's electronics committee. "The first application of electronics has been to monitor functions such as engine speed, oil pressure, temperature, etc. The second phase takes place when the system corrects the problem itself or tells the operator what to do to remedy the situation."

While Ebbinghaus credits Dickey-john with one of the first applications of electronic sensors in its seed monitor, he notes the industry has gone on to use sensors in flow-rate monitors, ground speed indicators and spray equipment.

In the meantime, agricultural engineers have looked for ways to automatically link monitor and control functions -- borrowing technology from the truck and automotive industries whenever possible.

Automatic tractor controls

Realizing that the farmer's two greatest immediate needs are to increase productivity and cut costs, most agricultural engineering projects to date have concentrated on improved efficiency. A project being led by Dr. John Perumpral, professor and head of agricultural engineering at Virginia Polytechnic Institute and State University, is no exception. Research there has focused on technology to automatically monitor and control throttle and gear selections in the field.

According to Perumpral, farmers are already familiar with the practice of gearing up and throttling down. However, the time and attention farmers can devote to finding optimum throttle and gear selections is limited.

"As a result, approximately 50 percent of the engine's available power is not utilized," he says, pointing out that his research uses a microcomputer-based automatic control system to make the concept practical. "The first thing we had to do was develop a minimum fuel consumption curve, based on laboratory tests."

That curve, programmed into a computer mounted on a Case IH Model 1896 tractor, was used to control the engine speed at optimum for minimum fuel consumption. Depending on tractor load, the computer sends signals to a small electric motor connected to the throttle to adjust engine speed.

As the tractor's on-board radar measures true ground speed and wheel slippage, the computer automatically actuates the transmission's electric solenoids to power shift the transmission. The gear and speed selections control the wheel slip at its optimum for maximizing the tractor output.

Noting that the system has already provided a 17 percent increase in work output and a fuel savings of approximately 12 percent, Perumpral says, "Results of our tests indicate a direct relationship between improved control accuracy and reduced fuel consumption."

The same theory is shared by engineering students at the University of Illinois, where researchers have linked a computer directly to the tractor's fuel injection system in an effort to maintain a constant engine load.

Soil condition monitors

Carroll Goering, a professor of agricultural engineering at the University of Illinois, says that research also is focusing on biosensing that will enable farmers to use the minimum rates of materials they apply.

"An example that we have been working on for several years is a system that will measure soil organic matter while the machine moves through the field," he says. "Since soil organic matter binds the herbicides a farmer puts on, the application rate really ought to be altered as the organic matter changes."

The system, he explains, consists of a light source that is directed onto the soil through fiber optics. The reflection is then directed through a prism to break it into different wavelengths, which are measured by a series of diodes. Finally, the information is fed into a microcomputer that determines soil type. Such a system might then be linked to the control system on a crop sprayer.

Goering says similar systems are being developed to measure soil moisture and nitrate levels while the tractor is on the go. "The key problem in every case is the biosensing," Goering says, noting that it may be several years before such systems are even available. "Once you have the signals, you can use fairly standard technology to provide control of the dispensing rates."

For the ultimate in electronic applications, though, consider the advantages of an automatic guidance system. Although feeler or tactile systems are currently available for guidance of row heads and cultivators, such systems rely

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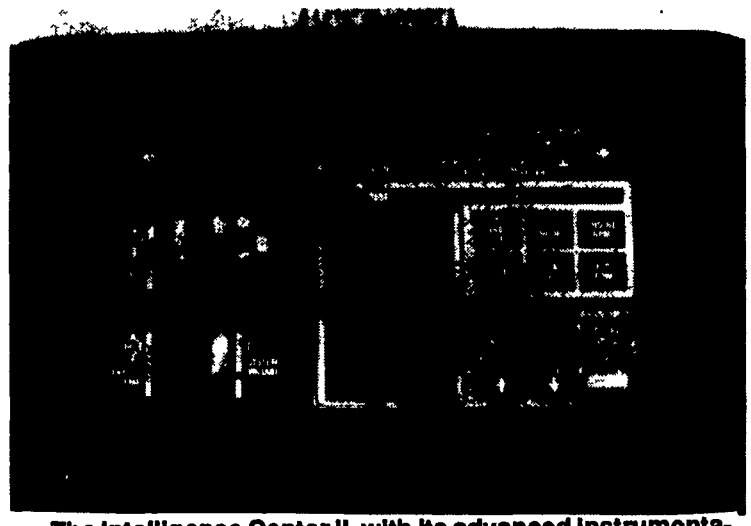
on mechanical components which can magnify field errors.

Future guidance systems, says John Gerrish, associate professor of agricultural engineering at Michigan State University, will utilize video cameras or an ultrasound transmitter linked electronically to a computer. Gerrish worked with the USDA research group which developed a self-guided orchard machine.

"The problem in this case was that operator couldn't see the ground because of his position above the canopy," he notes. "So we devised a system which used ultrasound to 'see' the tree trunks."

Similar obstacles have been developed with video systems. Gerrish explains that even though the systems utilize color cameras to distinguish the difference between tilled and untilled ground, or the edge of a harvested crop, the computer cannot, for example, distinguish the difference between weeds in the center of a row and the crop. Consequently, its use for cultivation is yet to become a reality.

"We also are working with one hand tied behind our back, because we have to stay within the price realm of the user," says Gerrish.



The Intelligence Center II, with its advanced instrumentation and monitoring systems, is just one example of the way Case IH applies modern electronics to its machinery.

As a staff engineer on combines for Case IH, Rich McMillen sees a couple of additional needs as well. "When you mention electronics to some customers, it scares them," he relates, "So we have to ensure our systems are user friendly to the point that if something goes wrong, the computer tells the operator where the problem lies and how to fix it. Hence, self diagnostics is going to be very important.

"The other thing we need is a way to manually override the control system," he stresses. "In other words, if there is a problem, the operator doesn't have to quit working. He can override the system and correct the problem that evening or the next time it rains."

Although Case IH already offers electronic monitoring of engine and grain threshing functions, automatic reel to ground speed control and automatic header heigh. control on its combines, McMillen sees plenty of potential for electronics in the future. Among possible applications are systems to monitor grain moisture from the cab, monitors to measure yield and acres covered on the go and interfaces between the sensing and control functions. There also is the potential for an electronic header height control system, which requires no mechanical linkage to the ground, allowing it to be used on crops like wheat or corn.

"I think the field is wide open for what has been termed a 'smart combine,'" says McMillen. "The problem will be determining the best response for the input. In other words, if you ask 10 farmers today what adjustments need to be made for a change in crop or conditions, you might get 10 different answers."

If there is one point that the engineers agree on, though, it is that electronic and automatic systems were never meant to replace the operator. Instead, the ongoing goal remains the same -- that is to continually strive to improve the operator's proficiency.

"If we don't do that," McMillen concludes, "electronics are little more than a gimmick."

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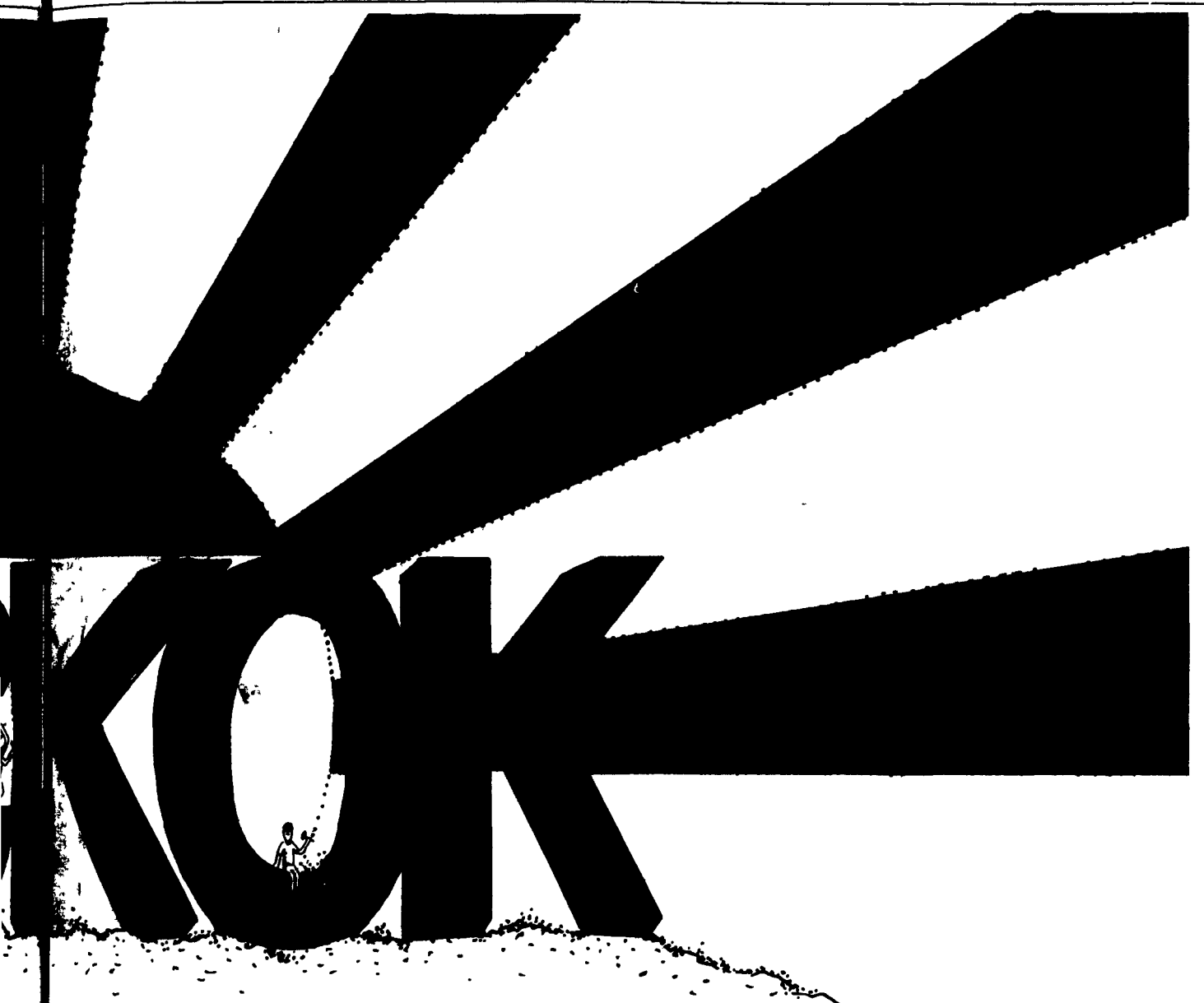

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Graduate Students Win Awards

UNIVERSITY PARK (Centre) — Two graduate students in Penn State's School of Forest Resources presented papers at the 118th annual meeting of the American Fisheries Society in Toronto this September. M. Jon Siemien, a doctoral candidate in forest resources, received the Best Student Paper award for his presentation of "Effects of temperature, lighting and feeding regimes on the growth of first-feeding Atlantic salmon." His paper was co-authored by Robert Carline, adjunct associate professor of fisheries management.

Sue Boltz, a master's degree student in the Wildlife and Fisheries Program, received the John E. Skinner Memorial Fund award and a travel assistance award given by the American Institute for Fishery Research Biologists. Her paper on the temperature and salinity tolerances of the Mayan cichlid, a species of fish established in two locations in Everglades National Park, was co-authored by Jay R. Stauffer, associated professor of fishery science.

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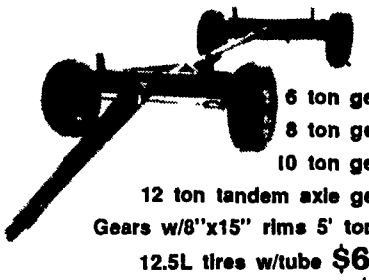

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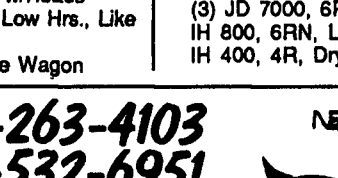

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(3) JD 7000, 6RN, 2 Dry, 1 Liq.
IH 800, 6RN, Liq. Fert.
IH 400, 4R, Dry Fert. w/Monitor

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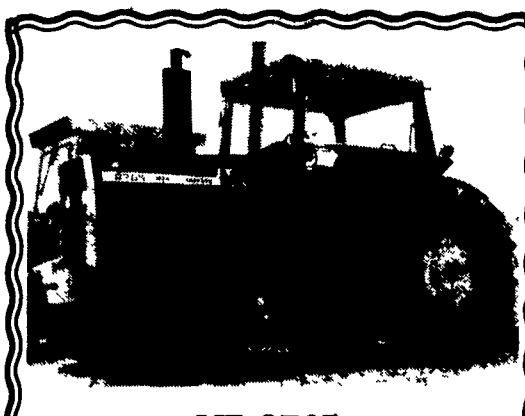
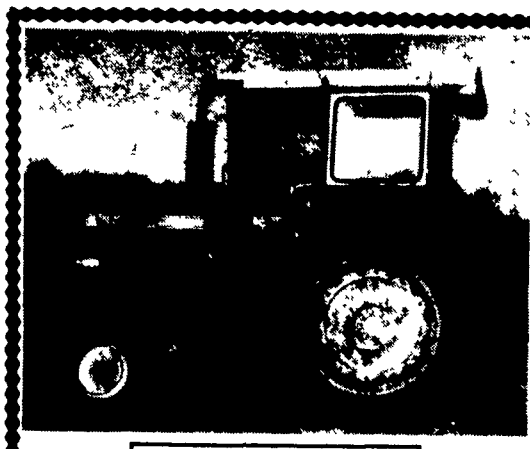


MF 2705
w/duals, weights,
1200 hrs., exc. cond., must see
$12,500
301-833-9091



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New Rubber, weights
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- JD 2840
- JD 2640 heavy front axle, big hyd. pump, row crop, 146 loader avail.
- JD 4430, fact. SOLD air, 77 model
- JD 4430, fact. cab & air, quad, 76 model
- JD 4230 Quad, fender tractor, 38" rubber
- JD 4020 diesel, 67 model, WF, 3 Pt.
- JD 4020 diesel, PS, WF, 38" rubber
- JD 730 diesel standard w/3PT, PTO & adj. WF

JD 310 B tractor loader, backhoe
JD 350D w/loader

- IH 3588 2+2, 3 outlets, 3PT PTO
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- IH 186 hydro, fact. cab & air
- IH 986, 81 model, cab & air, low hrs., 38" rubber
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- IH 1066, fact. SOLD air, 2290 actual hours
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- Ford 9700 fender tractor
- Ford 4000 gas gear drive
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- NI 709, cab, air, rear wheel assist
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- NI 707, Perkins diesel, cab
- NI 704, Gas, variable speed, cab
- NI 701 & 702 Gas w/cabs
- NI 717 Combine
- NI 729-A Sheller
- NI 767 Super Chopper
- NI 711, 713 & 715 Grain heads
- NI 727 & 737 12 roll husking beds
- NI 866 grass head, like new
- NI 740 & 741 Quick Tach Throats
- NI Chopper Heads wide & narrow
- NI 2, 3 & 4R heads wide or narrow
- NI 844 wide & narrow heads
- NI 846 6RN

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- MF 850 diesel hydro, 1982 model, w/1163 & 20' flex head, very nice
- MF 410 diesel, cab, air, 4RW & 13' head, good cheap unit

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- Used MF 1143 4RN corn head
- MF 43 4RN
- MF 13 grain head
- IH 844W 4RW
- JD 343 corn head, 3RN
- JD 213 flex

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- Nice JD 300 Husker w/3RN or 2RW Head
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- Hesston 1090
- Hesston PT-10 Windrower
- NH 469 Haybine
- Vicon KM 240, Rotary Disk Cut
- Vicon KM 241, Rotary

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- Hesston 2000-100 For. Harvester w/2 Row Wide
- Gehl TR3038 2-Row Wide Forage Head
- Gehl 610 Forage Wagon
- Gehl 920 Forage Wagon
- IH 550 w/2 Row Head And Pickup
- Fox 3000 Harvester
- Fox 2000 Harvester w/2 Row Narrow
- NI 329 Super Sheller
- NI 327 Picker, 2-Row Wide
- Assortment of Gehl 99 Forage Blowers

DISK HARROWS

Oliver 18 Ft. Disk

MISCELLANEOUS

AC 333 6-Row No Till
White 5100 Air Planter, 6-Row

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- Simplicity 4040 Garden Tractor
- Bolens FS-11 Mower
- Long 1537 Tiller, 63"
- Woods RM48 Mower
- JD 111 Riding Mower

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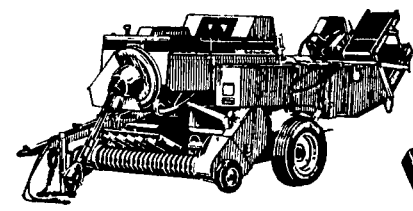

- Case IH 8520 Twine Baler w/Thrower
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- Case IH 8540 Twine Baler w/Thrower
- Case IH 8540 W SOLD r w/Thrower
- Case IH 8420 Round Baler
- Case IH 8440 Round Baler
- Case IH 8320 7 Ft. Mower Conditioner
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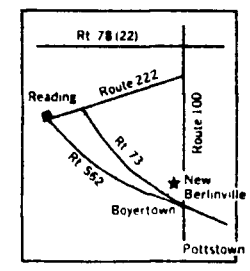

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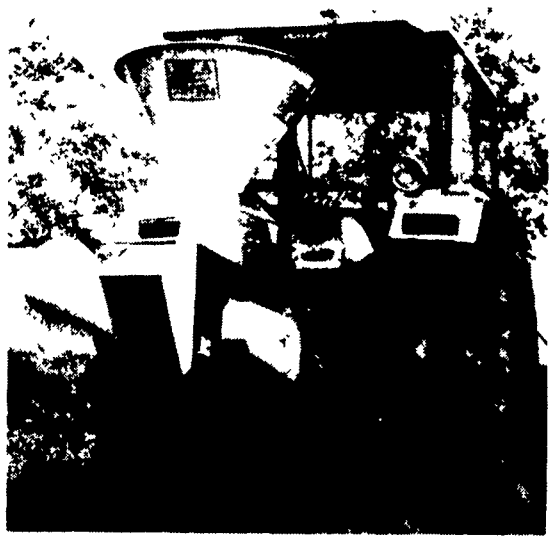

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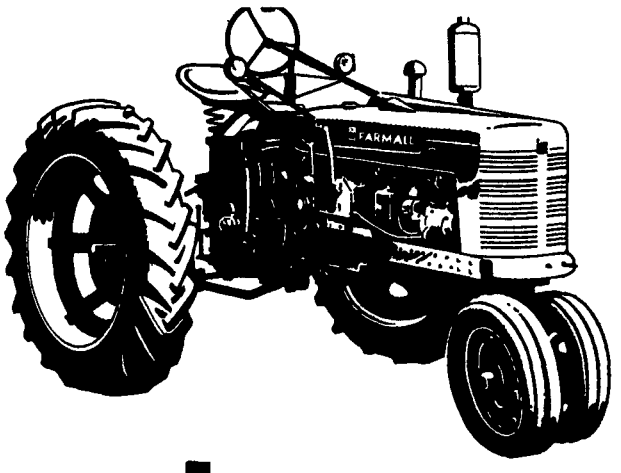

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IH 3 Pt. Hitch Rotary Hoe, 15 Ft. Folding - $975
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JD 1240 [SOLD]s, 30", Liq
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IH 37, 35 In Various Sizes
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IH 227 Cornhead
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IH Loader For 300 Utility
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JD 2640 D
JD 3010 D
JD 720
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Oliver 1800 D
Oliver 1550
Oliver 500 D
MF 85 D
NH L-445 G Skid Loader
IH 4130 Skid Loader

FORAGE EQUIPMENT
NH 770 Chopper, 2-R Corn & PU Heads
NH 717 Super Chopper, 2-R Corn & PU Heads
NH 717 Chopper, 1-R Corn & PU Heads
IH Forage Wagon w/Roof
(2) NH 8 Chuck Wagon
MF Chuck Wagon
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NH 675 w/Endgate, 300 BU.
NH 519, 217 BU.
NI 245, 360 BU., Endgate
NH 518, 220 BU.
NI 214, Liq. Pan, 210 BU. A-1!
NI 218, w/Hyd. Endgate, Tandem, 300 BU.
(3) NI 213, 177 BU.
IH 550 w/Endgate, 200 BU.

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JD 3300 Cab w/Air/Heat, 10' Grain & 238 Corn Heads, EXCEL!
MF 750 D w/Cab, Air/Heat & 630 Corn Head
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NH 975 Gas w/Cab & Both Heads
NI Uni-System 701 w/710 Power Unit, 10' Grain & 2-Row Wide Corn Heads
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JD 1000 12' Disc w/Trans. Harrow
IH 11' Transport Disc
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Weaverline 330 SS Silage Cart w/Automatic Charger, Excellent
Weaverline 330 Silage Cart, Rebuilt, LIKE NEW!

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MF 81 Haybine
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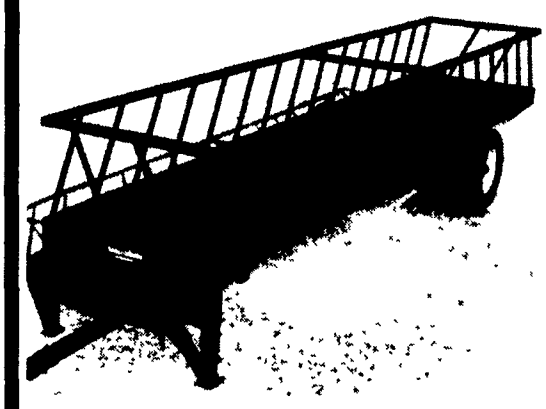

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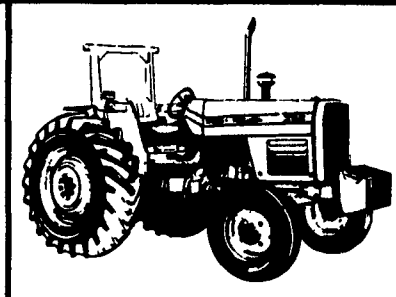

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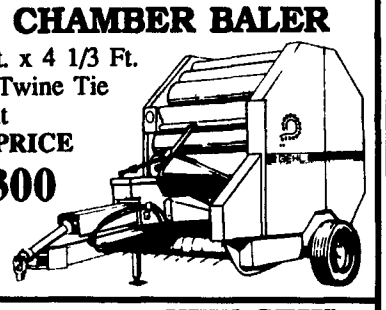

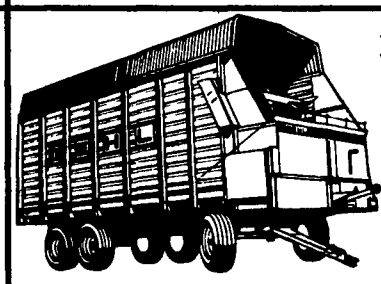

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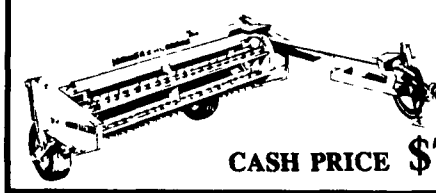

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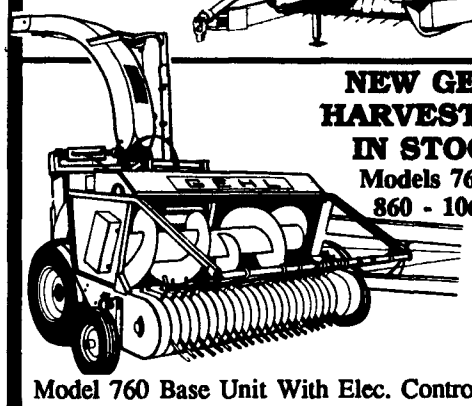
For Best Price & Financing Call For Details



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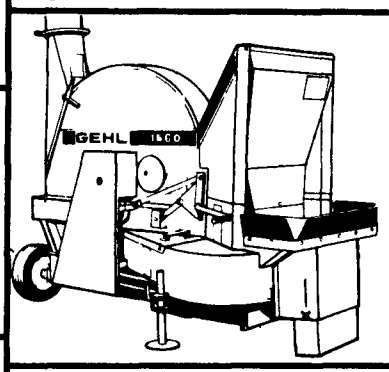
Gehl CB600 with 2 Row Narrow Head.....Sale Price **$1,300**
Used HA400 Hay Pickup 5 Ft.....Sale Price **$300**

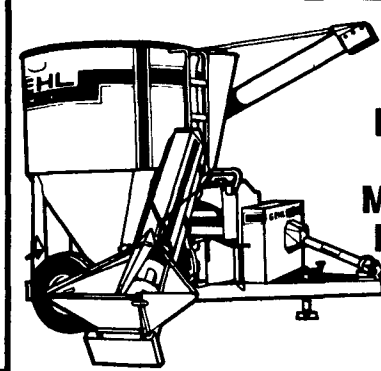
2-Used 710 Gehl Forage Boxes With Running Gears With Roofs As Is Condition..... Cash Price Each **$500**

1 - Used Gehl 910 Forage Box Less Running Gear As Is.....Cash Price **$200**



GEHL FORAGE BLOWERS

FB 1540 Blower Serial #22363 H.D. 540 PTO..Cash Price **$2,650**
FB 1560 Blower 1000 RPM .....Cash Price **$3,050**
Used NH 23 Forage Blower.....Sale Price **$425**



Your Efficient Corn Marketing Machine

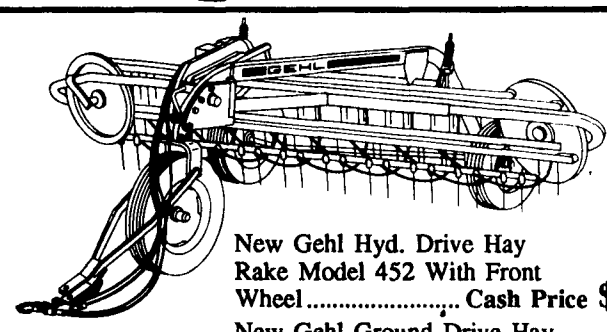
GEHL GRINDER MIXERS

Gehl 125 ..... Cash Price **$7,150**

Used Gehl 95MX Grinder Mixer.....Sale Price **$2,800**

Used Gehl 65MX Grinder Mixer.....Sale Price **$1,200**

Used John Deere Model 750 Grinder Mixer With Digital Scale.....Sale Price **$3,995**

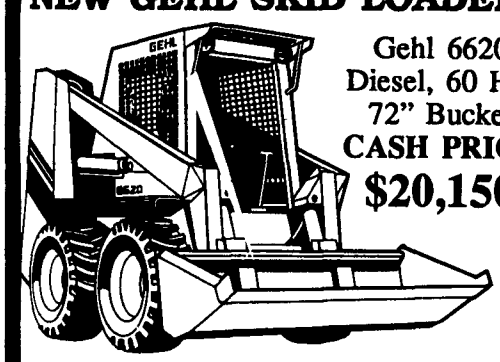


New Gehl Hyd. Drive Hay Rake Model 452 With Front Wheel..... Cash Price **$2,995**
New Gehl Ground Drive Hay Rake Model 412..... Cash Price **$2,625**
Used IH Model 14 Pull Type Hay Rake..... Sale Price **$595**

WAGON GEARS

8 Ton Wenger Wagon Gear Quick Hitch and 8x15 Rims Unassembled.....Cash Price **$495**
10 Ton Wenger Gear Quick Hitch and 10x15 Rims, Unassembled .....Cash Price **$625**
12 Ton Demco 4 Wheel Gear With Quick Hitch and 15x10 Rims, Unassembled..... Cash Price **$1,150**
12 Ton Tandem Demco Gear With Quick Hitch and 15x10 Rims, Unassembled.....Cash Price **$1,425**

NEW GEHL SKID LOADERS



Gehl 6620 Diesel, 60 HP, 72" Bucket
CASH PRICE **$20,150**

Gehl 4610 Diesel, 44 HP 65" Bucket.....Cash Price **$13,500**
Gehl 3510 Gas, 27 HP 54" Bucket..... Cash Price **$9,600**
Gehl Equipment Has Low Rate Financing Available

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717-866-7518

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w/25% Deposit, Balance To Be Paid On Availability Of Parts

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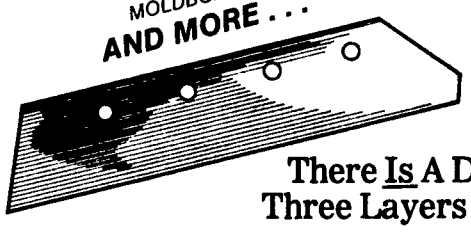
SHARES
LANDSIDES
MOLDBOARDS
AND MORE . . .



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There Is A Difference...
Three Layers Of Steel For:

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PLOW SHARES

	MF Reg. Price	DIRECT SHIP SALE PRICE
• 475160 M1 Reg Clipped Wing	$16.34	$6.95
• 475167 M1 Reg. Long	$12.77	$7.95
• 475715 M1 Heavy Duty Clipped Wing	$20.79	$8.95
• 475716 M1 Heavy Duty Long	$23.11	$9.05
• 475823 M1 Reg. Long	$18.71	$8.50

SHINS & TRASH BOARDS

• 1073604M1 Shin	$11.81	$7.50
• 661869M91 Trashboard	$38.18	$11.50

MOLDBOARDS

• 660022M91 14"	$129.67	$48.00
• 660206M91 16"	$118.66	$48.00

LANDSIDES
Fits All MF Plows

• 476536 M1 Short Steel	$19.54	$9.95
• 475155 M1 Long Steel	$29.51	$13.20
• 476381 M1 Reg. Steel	$16.71	$13.80

ALL PLOW PARTS NOT ON DIRECT SHIP ARE 20% LESS

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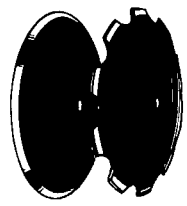
- Allis-Chalmers
- Case
- Deere
- Ford
- IHC
- Melroe-Morris
- Pittsburgh-National-David Brown
- Stover Chisel Parts
- White-Oliver
- Wil-Rich

$7.80 And Up



DISC BLADES

- High concavity for greater draft and more soil action
- Plain and notched styles for various field conditions
- Center holes sizes to fit many brands of machines

	Reg.	SALE
• #24000 20" 7 ga. 1 1/8x1¼ Dual Sq.	$18.25	$14.95
• #24072 22" ¼ Thick 1 1/8x1¼ Dual Sq.	$31.70	$21.75
• #1904728M1 22" 6 Ga. 1⅛ x1¼ Sq. Rd.	$26.75	$21.95

Many Other Sizes & Types Available
Plus The Best Warranty In The Industry!

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We have the Filter for every application!

Don't Fall For Look Alikes - USE MASSEY/ FLEETGUARD FILTERS FOR BETTER & LONGER ENGINE LIFE.

FREE: 5 Qts. of Quaker State
15W40 Engine Oil w/Purchase of $25 Worth of Filters
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Universal products for farm, home, industrial, automotive & recreational use.
15% OFF Reg. Price
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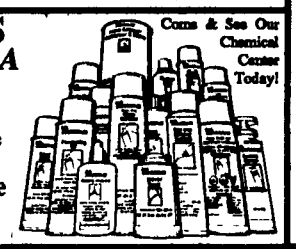

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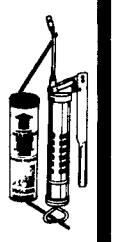
Permatran III Transmission and Hydraulic Fluid
Stock One Oil For All Your Tractor Needs

18% OFF Reg. Price

MULTI-PURPOSE LITHIUM GREASE

	List	SALE
• 841618M1 Tube	1.05	99¢
Box of 10	$10.50	$8.75
Box of 50	$52.50	$41.50

	List	SALE
• Lever Grease Gun	$9.15	$6.95
• Pistol Grip Gun	$12.90	$9.95
• 12" Grease Hose	$2.95	$2.25
• 18" Grease Hose	$3.60	$2.65
• Coupler w/Ballcheck	$1.65	$1.05



CUTTERBAR PARTS
All Makes

Guards	Reg.	SALE
• 30036E1, Gehl, JD, Mower Conditioner BU220	$6.95	$6.20
• 30039E1 Hart Carter Floating BU231	$6.70	$5.50
• 30029E1 JD, MF, NH, NI, Combines BU240A	$5.65	$4.60
• 30028E1 NH, Hesston, Mower Conditioner BU245	$6.20	$5.20
• PS920103 Universal Sickle-mower Guard	$4.83	$3.95
• PS920277 MF Sickle Mower Guard	$9.08	$6.90

Sections	Reg.	SALE
• PS412003 Rigid Cutterbar .083 Thick	73¢	59¢
• PS412132 Rigid Cutterbar .100 Thick	$.77	60¢
• PS112001 Floating Cutterbar	$.77	55¢
• PS212091 Sickle Mower	$.87	70¢
Complete Cutterbar Knife		
• PS800338 13'	$140.00	$125.00

★ Cutterbar parts for, Case IH, Deutz-Allis, Ford, Gehl, Hart Carter, Hesston, J.E. Love, Jihn Deere, MF, New Holland, New Idea, Owatonna, Trumph, Versatile, White. Call for your sale prices.

LEBANON VALLEY IMPLEMENT CO., INC.

Richland, PA 717/866-7518

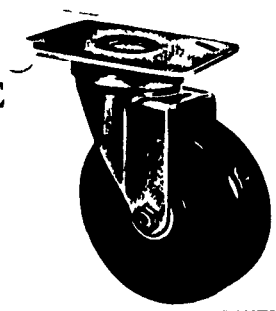
TWISTED CHISEL TEETH

	Reg.	SALE
• 30140, 3"x½ "x22" Right	$8.20	
• 30150, 3"x½ "x22" Left	$8.20	$6.95
• 30153, 4"x½ "x23" Right	$11.50	
• 30155, 4"x½ "x23" Left	$11.50	$10.60

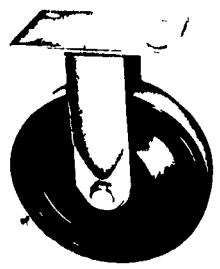
REVERSIBLE POINTS FOR FIELD CULTIVATORS

	Reg.	SALE
• 31240 5/16"x11½ " 3/8 Bolt	$2.20	$1.99
• 31250 5/16"x1¼ "x11½ " 7/16 Bolt	$2.20	$1.99
• 31271 3/8"x2"x11¼ " 7/16 Bolt	$3.00	$2.68
• 31300 3/8"x2"x11¼ " 3/8 Bolt	$3.00	$2.68
• 31280 5/6"x2½ "x11½ " 7/16 Bolt	$3.25	$2.20

PLATE-TYPE CASTERS COMPLETE WITH WHEELS



POLYOLEFIN SWIVEL



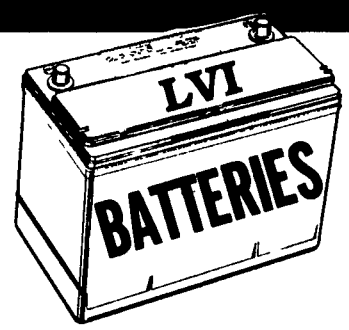
POLYOLEFIN RIGID

8"x2"
900 Lb. Capacity, Top Plate Size 4x4½, Load Height 9½, Bolt Hole Spacing 3x3
SWIVEL #4-8199-338 Reg. $29.25 NOW $24.85
RIGID #4-8198-338 Reg. $23.80 NOW $20.20

3"x7/8"
125 lb. Capacity
Top plate size 2½ x3 5/8
Load Height 3 3/4
Bolt hole spacing 1 3/4x3
SWIVEL #1-3356-53 Reg. $13.60 NOW $11.55
RIGID #1-3008-53 Reg. $10.40 NOW $8.85

Many Other Sizes & Styles To Choose From

Buy 6 Or More Receive 5% Add'l Discount



12 VOLT
- 30H 580 Cold Cranking Amps $59.95
- HP-31E, 950 Cold Cranking Amps $72.95
- 4DLT 750 Cold Cranking Amps $92.95

6 VOLT
- 3EH 830 Cold Cranking Amps $53.95
- 4EH 930 Cold Cranking Amps $70.95

AUTO & TRUCK - 12 VOLT
- 24-30 310 Cold Cranking Amps $29.95
- 24-50 420 Cold Cranking Amps $34.95
- 24-800 750 Cold Cranking Amps $57.95
- 27MM 600 Cold Cranking Amps $53.95

Many Other Sizes In Stock, Same Discounts

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MF - GATES - OTHER
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PROFESSIONAL SHOP REPAIRS

- Service To Meet Your Needs - We Repair Any Brand Farm Tractor, Skid Loader Or Other Piece Of Equipment.
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Call Marlin, our Service Manager, and schedule your equipment repairs now. Be ready for the spring rush!

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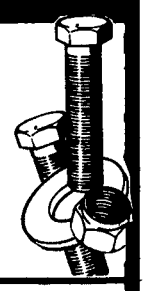

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ALL 15% OFF

QUAKER STATE HDX UNIVERSAL FLEET MOTOR OIL
Multi-Grade SAE 15W-40

	Reg.	SALE
• Bulk	$4.15	$3.65 Gal.
• 55 Gal. Drum	$205.00	$195.95
• 5 Gal. Can	$26.35	$23.70
• 5 Qt. Jug	$6.75	$6.25
• 1 Qt. Jug	$1.35	$1.25

VACUUM PUMP OIL

• 5 Gal. Can	$23.95	$19.95

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JD 2010 GAS,

rebuilt engine, good rubber, 1,900 original hours, good straight original tractor.

$2,500 OBO

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IH 720, 5-btm. auto. reset plow, 18" exc. cond.

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- NH 779 Skid Loader
- Case 580C Loader Backhoe
- Long Model 360 165 Hrs., Like New, 2 Yrs. Old
- IH 1256 Tractor
- IH 2404 w/Loader, Coming In
- 500 Crawler R/C
- Farmall H
- Farmall C
- NH TR85 w/Grain Hd.
- NH TR70 w/Grain Hd.
- IH 45 Baler
- NH 269 Baler w/thrower
- Haines bulk body
- IH 3-Btm Mtd. Plow
- MF 4-Btm. Mtd. Plow
- MF 82 Combine 13' Grain Head
- Haines Stone Pickers
- (2) IH 234 Corn Pickers
- IH 455 Corn Planter
- IH 456 Corn Planter
- IH 1150 Grinder Mixer

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Calf Hutches & Tanks

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- 1967 JD 4020 WF Good condition
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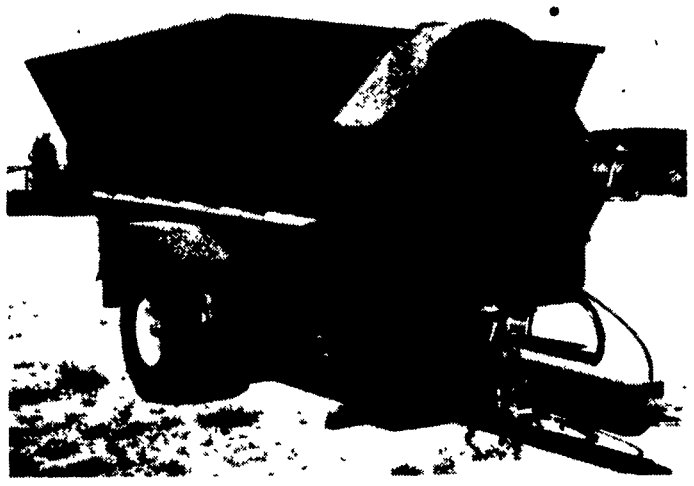
- (2) JD 1209 mower conditioner
- Farmall 706 Gas Tricycle 3 PTH, new tires
- MF 43, 4R Corn Head
- 1R Snapper head for 3940 JD forage harvester
- 2R Braco Potato Harvester w/PTO Drive
- JD 125 skid loader
- Woods C80 pull type rotary mower
- JD 896 parallel bar rake
- JD 125 chuck wagon on 1065 running gear
- JD 4 RW Row Crop Cultivator

Used Lawn Tractors

- 214 w/38" Deck w/Bagger
- 314 w/46" Deck Hydrostatic & Rebuilt Engine
- 180 w/46" Deck, Gear Drive
- Snapper w/Mower & Blower

THE WAGONMASTER PRESENTS



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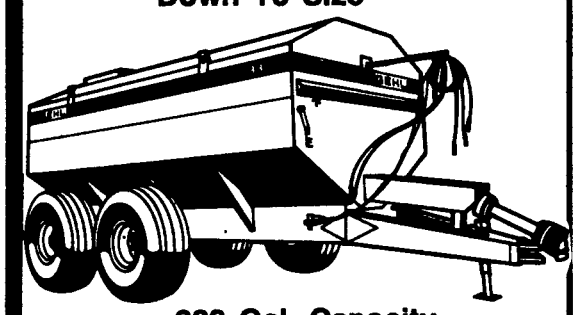
GEHL® FARM EQUIPMENT

GEHL 733 TANK SPREADER

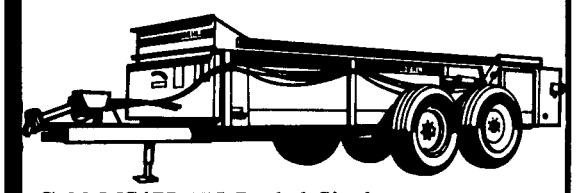
Cuts Spreading Jobs Down To Size



330 Gal. Capacity

Cash Price **$8,295**

GEHL BOX SPREADERS



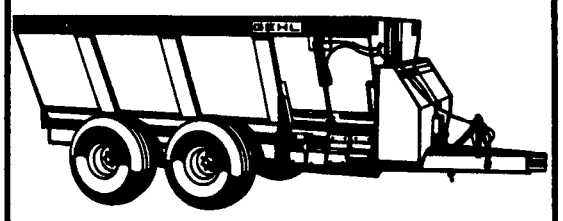
Gehl MS175 175 Bushel Single Axle With 1000x20 Tires
Cash Price **$2,985**

Gehl MS250 With Side Rails And End Gate, 285 Bushel, Single Axle With 1000x20 Tires
Cash Price **$4,250**

Gehl MS 325 325 Bushel Tandem Axle With 1000x20 Tires And Hyd. End Gate
Cash Price **$5,595**

Gehl Equipment Has Low Rate Financing Available

GEHL 300 SERIES SCAVENGER II SPREADERS



Gehl 309 Spreader, 192 Bushel, 1000x20 Tires
Cash Price **$4,995**

Gehl 322 Spreader 468 Bushel Tandem Axle With 16.5Lx16.1 Tires
Cash Price **$10,725**

Gehl Equipment Has Low Rate Financing Available

USED MANURE SPREADERS

New Idea Webb Spreader Model 244 8.5 Ton Cap
Sale Price **$2,500**

New Idea Webb Spreader Model 214
Sale Price **$1,250**

Hedlund-Martin Scavenger Spreader Approx. 180 Bushel
Cash Price **$3,200**

HawkBuilt 207 Tank Spreader
Sale Price **$1,750**

HawkBuilt 2195 Tank Spreader
Sale Price **$750**

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- **Used 300 Gal. Trailer Sprayer,** Centrifugal Pump, 28 Ft. Booms ..... Price $1,300
- **Ficklin Gravity Box,** 190 Bushel ..... Price $785
- **Used New Ideal 323 Cornpicker,** 1-Row ..... Price $2,495
- **Knight LA-9C Mixer Feeder Wagon,** 180 Bu. Elec. Scale, Less Than Yr. Old ..... Price $8,500
- **Used New Holland 23 Forage Blower** ..... Price $425
- **Used New Holland 38 Flail Chopper** ..... Price $895
- **New MF 228 Baler** With Hyd. Thrower, In Stock, Call For Details
- **New Zimmerman Hay Tedders,** 7 Ft. Wide, PTO Drive ..... Price $1,250
- **Used Hay Tedder,** 2-Spinner Type, 3 Point Mounted ..... Price $895
- **N.H. Model 451 Sickle Bar Mower,** 3 Point Hitch, 7 Ft. Cut ..... Sale Price $625
- **Used MF 72 Combine,** Self-Propelled, 10 Ft. Cut ..... Sale Price $600
- **Used MF 5 Ft. Rotary Cutter,** 3 Point Mounted ..... Sale Price $475
- **New International** 5 Ft., 3 Point Hitch, Rotary Cutter ..... Sale Price $525
- **3 Point Scraper Blade,** Worksaver 6 Ft. ..... Sale Price $195
- **3 Point Scraper Blade, Arps,** 7 Ft. ..... Sale Price $325
- **3 Point Scraper Blade, Arps,** 7 Ft., H.D. ..... Sale Price $495
- **3 Point Scraper Balde, Arps,** 8 Ft., H.D. ..... Sale Price $575

TILLAGE EQUIPMENT

- **New Glencoe 12½ Ft. Field Cultivator** ..... Price $2,700
- **Used AC 3-Point Hitch Field Cultivator** ..... Price $625
- **Used Pull-Type Drag Harrow,** 3 Section, 9-Ft. Wide ..... Price $375
- **Used 12-Ft.** 3-Section Drag Harrow ..... Price $225
- **Used Cultipacker,** 11½ -ft. Rolling Width, 18" Rolls ..... Price $675
- **Used IH 9-Ft. Transport Disc** ..... Price $795
- **Used IH Pull-Type Disc,** 10-Ft. Cut ..... Price $450
- **Used John Deere Pull-Type Disc,** 10-Ft. Wide ..... Price $475
- **Used MF 82,** 3x16 Mounted Trip-Bottom Plow ..... Price $525
- **Like New David Brown** 3-Bottom Mounted Plow ..... Price $475
- **Used IH Trip-Bottom Plow,** 3x16 ..... Price $425
- **Used Pittsburgh Transport Disc,** 9 Ft. Wide ..... Price $650
- **Used Ford 2-Bottom Plow,** 3-Point Hitch ..... Price $375
- **Used 2-Row Cultivators,** 3-Point Hitch ..... Sale Price $175 to $325

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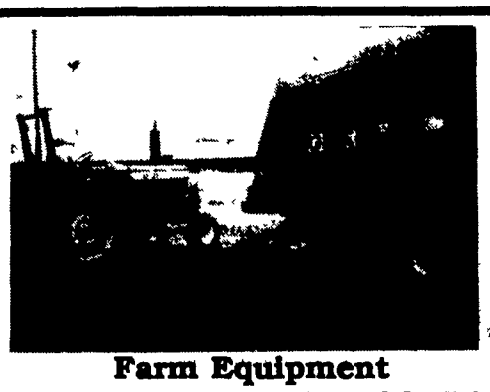

Farm Equipment

Ford TW10, 2850 Hrs., 20.8-38 Radial Tires, Was $14,900, Now $14,395

940 12 Ton Gehl SOLD age Wagon
Both Excellent Condition

Also 230 Ford SOLD ot disk

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#2050

25 H.P. DIESEL **$5,990.00**

- 3 cyl. diesel
- Replaceable cyl. liners
- 8 F/2 reverse trans.
- Differential lock
- Internal hyds.
- Cat. #1 3 Pt. Hitch
- 1 3/8 PTO, 540 RPM's
- Wet disc brakes
- Lights
- Tachometer
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- All attachments available

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JD 4040, SGB, 4WD, Good	$17,500
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JD 2350, 2 Hyd., Like New, '86	$12,900
JD 4040, 4 P SOLD R Trans.	$12,800
JD 4630, PS trans, cab, air	$12,500
JD 2550, 1200 Hrs., like new	$12,500
JD 2940 2 hyds., hi-low, nice	$12,000
JD 2640, Ind. PTO, 1981, Sharp	$11,500
JD 2040 dsl., 4WD, 1980	$10,600
JD 2640 dsl., hi-lo, ind. '79	$8,800
JD 2440 hi-lo w/new tires	$8,500
JD 2840 w/hi-low, 2 hyds.	$8,500
JD 3020 Dsl., WF, 2 Hyd. 72	$7,800
JD 3130 w/cab, hi-lo, 2 hyd.	$7,500
JD 4620, PS, 2 hyd, new paint, '72	$6,000
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JD 1020 Dsl. Ind. PTO, Fair	$5,200
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JD 3010 Dsl., WF, Original	$4,000
JD 2020 gas, good cond.	$4,000
JD 2510 gas, WF, nice	$3,875
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JD 730 dsl. SOLD start, PS, 3 pt.	$3,200
NH 357 Grinder Mixer, Nice Cond.	$2,750
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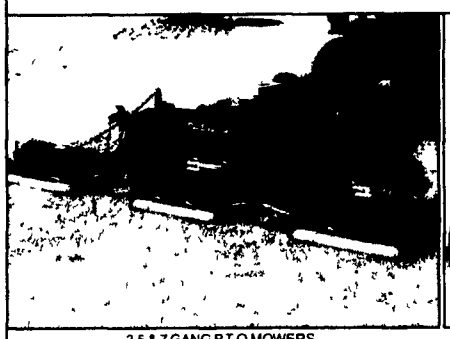

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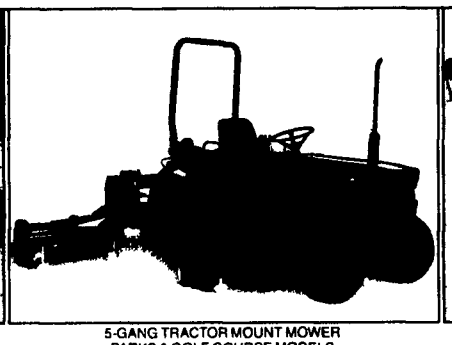
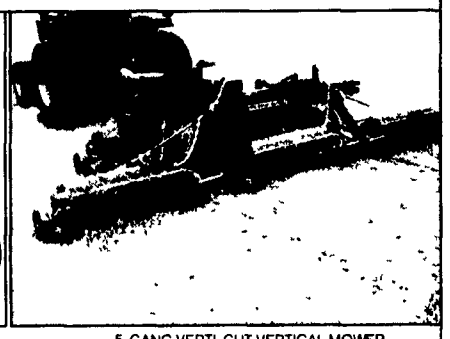
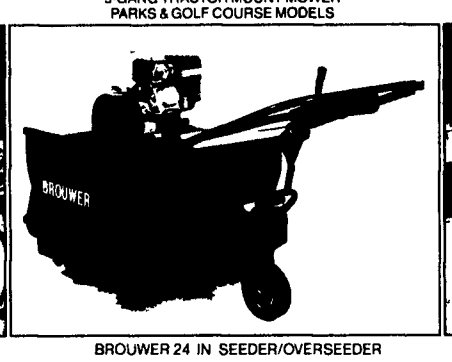


5-GANG TRACTOR MOUNT MOWER
PARKS & GOLF COURSE MODELS



5-GANG VERTI-CUT VERTICAL MOWER

LARGE CAPACITY BROUWER VAC



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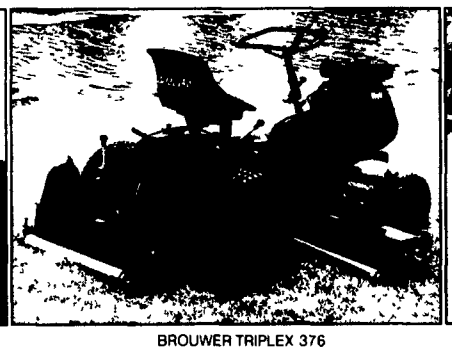

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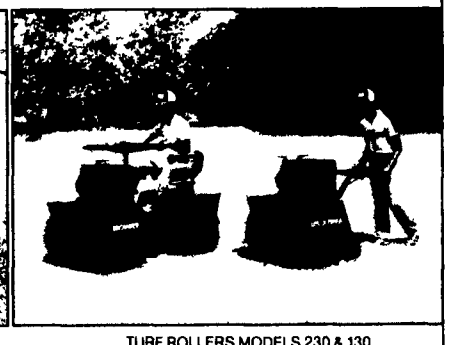

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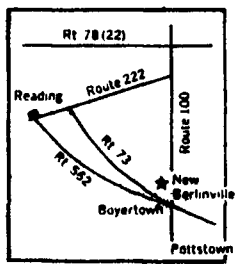

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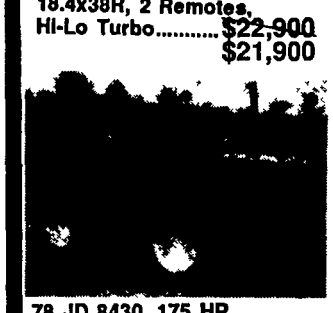
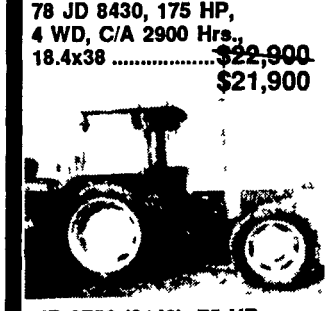
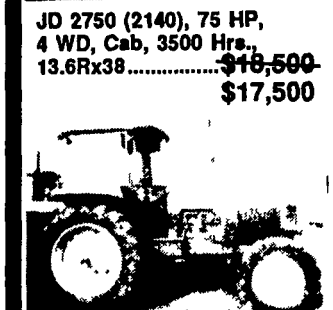
82 JD 4050 (4040S) 4WD, C/A, 2250 Hrs., 18.4x38 (New), 2 Remotes ~~$26,900~~ $25,900



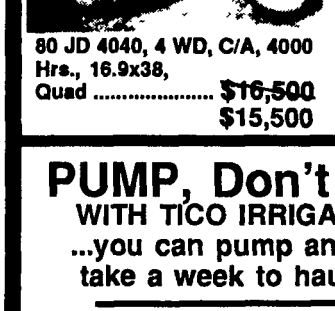
83 JD 2950 (3140), 4 WD, 85 HP, Cab, 2350 Hrs., 18.4x38R, 2 Remotes, Hi-Lo Turbo ~~$22,900~~ $21,900



78 JD 8430, 175 HP, 4 WD, C/A 2900 Hrs., 18.4x38 ~~$22,900~~ $21,900



JD 2750 (2140), 75 HP, 4 WD, Cab, 3500 Hrs., 13.6Rx38 ~~$18,500~~ $17,500



80 JD 4040, 4 WD, C/A, 4000 Hrs., 16.9x38, Quad ~~$16,500~~ $15,500

JD 2555, 65 HP, 4 WD, 18.4x30, Dual Remotes, Turbo, TSS ~~$22,500~~ $22,500

80 JD 4440, 130 HP, 4 WD, C/A, 18.4x38R (New) Quad ~~$22,500~~ $21,500

83 JD 2950 (3140) 85 HP, 4 WD, Cab, 3700 Hrs., 16.9R38, 2 Remotes ~~$20,900~~ $19,900

82 JD 2750 (2140), 2 WD, C/A 2400 Hrs., 13.6x38R, 2 Remotes ~~$17,900~~ $16,900

JD 2750 (2140), 2WD, Cab, 3150 Hrs., 13.6x38, 2 Remotes ~~$16,900~~ $15,900

81 JD 4040, 105 HP, 2 WD, Cab, 4800 Hrs., Turbo, 18.4x38 ~~$15,900~~ $15,500

JD 2950 (3140), 2 WD, C/A, 1971 Hrs., Hi-Low ~~$15,900~~ $14,900

JD 4040, 2 WD, C/A, 4036 Hrs., Quad, 18.4x38R, 2 Remotes ~~$14,900~~ $14,500

75 JD 4430, 125 hp, 4000 Hrs. 2 WD, 20.8x38 (New), PS ~~$12,900~~ $11,900

73 JD 7020, 145 HP, 4 WD, cab, 4300 Hrs. ~~$12,500~~ $10,900

76 JD 2640, 70 HP, 4500 Hrs., 2 WD, 15.5x38 ~~$8,950~~ $7,950
w/Loader ~~$10,700~~ $9,700

64 JD 2010, 47 HP, 2 WD, 14.9x28, Synchro, w/Loader, Roto Tiller, Bush Hog Mower ~~$8,450~~ $7,500

83 Case 2290, 130 HP, 4 WD, C/A, 3200 Hrs., 18.4x38R ~~$20,900~~ $19,900
w/90 Loader ~~$26,900~~ $25,900

80 Case 2090, 110 HP, 2 WD, C/A 1800 Hrs., 16.9Rx38, 2 Remotes ~~$15,900~~ $14,900

67 Case 850 Angle Dozer w/Ripper ~~$7,950~~ Mechanics Special As Is.. $4,500

77 Case 1070, 2 WD, PS.. ~~$4,950~~ Mechanics Special As Is.. $3,950

72 White Moline, 4 WD, Cab, 2 Remotes, 18.4x38 ~~$11,900~~ $10,900

77 AC 7080, 180 HP, 2 WD, C/A, 20.8x38, 3800 Hrs., 2 Remotes ~~$10,900~~ $9,900

84 MF 158F, 2 WD, Sims Cab, 1000 Hrs., 11.2x28 ~~$9,500~~ $9,000

IH 4166, 150 HP, 4 WD, C/A 23.1x26 (80%), 2 Remotes ~~$9,500~~ Mechanics Special As Is.. $8,000

'71 Mack Tractor, Diesel $5,000

50" 12' Boom, Rear Mount Complete, Good Condition $4,950

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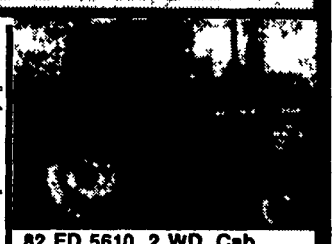
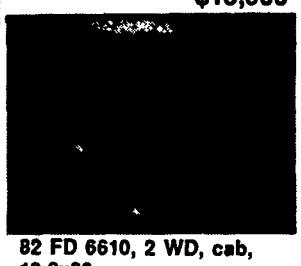
60 FD 671, 33 HP, 2 WD, 14.9x28, Gas, 5 Speed, New Grille $2,500

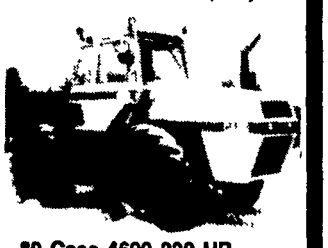
Clipper Expert 24" Oat Huller, Model M60-S-24 $750
W/Electric Motor $900



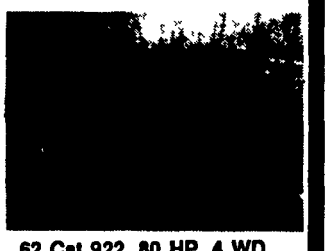
82 FD 5610, 2 WD, Cab, 2493 Hrs., 13.6/12x38, Dual Power ~~$14,900~~ $13,900



82 FD 6610, 2 WD, cab, 13.6x38, 2 Remotes ~~$13,900~~ $12,900



80 Case 4690 220 HP, 3000 Hrs., 4 WD, C/A, 18.4x38, PS $24,900



62 Cat 922, 80 HP, 4 WD, 1400x24 ~~$12,500~~ $11,500

Used Rock Pickers $2,950-$4,950
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MF 253, Price Conscious Tractor
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NH 12' grain head $575
NH 2 row corn head $695
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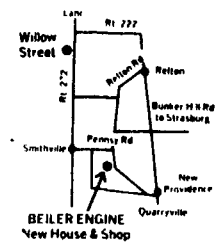

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Free Pickup & Delivery In Lancaster Co. On Engines Under 70 H.P. If Scheduled Before Jan. 10, 1989
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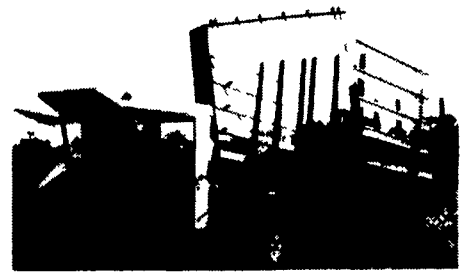

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MF 1010 Tractors, 16HP
MF 1020 Tractors, 21HP
MF 1030 Tractors, 26HP
MF 1035 Tractors, 31HP
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Rear Blades, Front Dozer Blades
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Good Thru January 25th...

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$9,595
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$850 For Cash!

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$19,995
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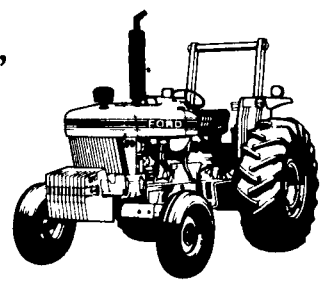

FORD
TW-15
120 HP, 2 WD, Cab,
Weights, 20.8R38 Tires
$39,950
Low A.P.R. or
Deduct
$2,650 For Cash

NH 304 SPREADER

The side-delivery manure spreader that does it all

The new Model 304 side-delivery spreader from New Holland holds 1,225 gallons of slurry or 164 cu ft. of pen manure with the optional "fishbowl" side extensions (shown) Or, if you want to back under low barn cleaners you might like the optional low-side extensions Either way, you get clean hauling and fast, efficient unloading And the "304" is built for years of reliable service

925 Gallon
SAVE $1,600
Plus Pay Cash And Deduct Additonal $300

NH 680 SPREADER

Up to 6½ tons per trip

Spread more manure and spread it fast with the Model 680 box spreader from New Holland Unload up to 6½ tons per trip! The optional hydraulic apron drive gives you infinite control of unloading speed And optional slurry side extensions let you handle semi-solid manure too Bonded-Protection guarantees the spreader sides for the life of the spreader You'll appreciate the old fashioned reliability of the "680" Stop in and see one today.

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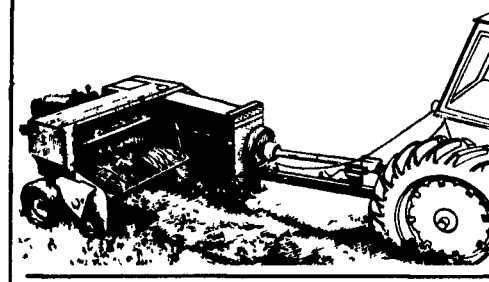
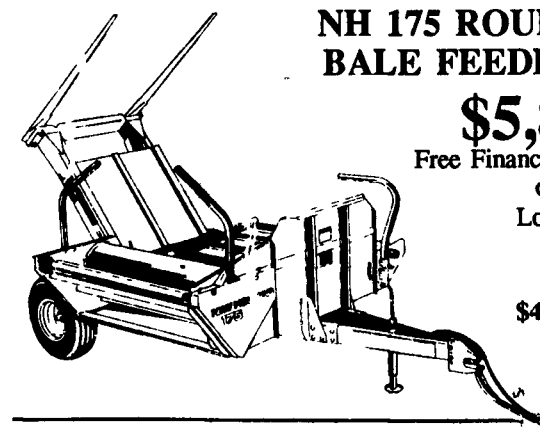
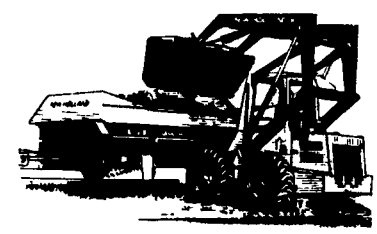
0% For 18 MONTHS ON HAY & FORAGE TOOLS!



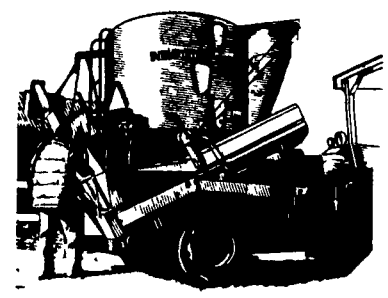
NH 311 BALER
w/70 Thrower
$9,095
Low A.P.R. or
Deduct
$1075 For Cash!



NH 175 ROUND BALE FEEDER
$5,895
Free Finance Till 6/1/89
or
Low A.P.R.
or
Deduct
$400 For Cash



NH L250 SKID LOADER
Free Finance
To 6/1/89
or
Low A.P.R. or
Deduct
$475 For Cash!



NH 355 GRINDER MIXER
100 Bu. Mechanical or Hydraulic Drive
Low A.P.R. or
Deduct
$375 For Cash

USED EQUIPMENT

TRACTORS
Oliver 550 w/loader
Oliver 1755
Ford 1310 w/Loader

HAY TOOLS
NH Super 68 w/Thrower
NH 273 Baler w/thrower
NH 489 Haybine
NH 479 Haybine
IH 440 Baler w/No. 10 Thrower
MF 25 Rake

SPREADERS
NH 519 w/hydraulic endgate
NI 214 3 Btr.
NI 214 Single Btr. Hyd. Endgate

GRINDER MIXERS
IH 1150 Grinder Mixer
IH 1250 Grinder Mixer
Gehl 95

TILLAGE & PLANTING
IH 455 4 row planter
IH 400 4 Row Planter

SKID LOADERS
Mustang 1700

LAWN & GARDEN
Cub Cadet 102 w/38" Mower
Bolens 1256 Lawn Tractor
Simplicity 6011 w/42" Mower
Simplicity 4212G

FORAGE
NH No. 23 Blower
NH 30 Blower
Gehl 72 Flail Chopper

SPRAYERS
Geo. White 500 Gal. Tandem w/42' Boom

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IHC 1256- 115 H.P., Dsl., WFE.....**$9,250**

AC 200-100 H.P., Dsl., Cab.....**$8,450**

JD 4020-100 H.P., Turbo, S/R, Complete Overhaul.....**$9,450**

(2) JD 3010- 55 HP Dsl., S/R.....**$4,250**

JD 2150-45 HP Dsl., Low Hours.....**$12,500**

Farmall Super A w/Cult.....**$2,295**

MANURE SPREADERS

NH 679 w/Top Beater.....**$2,750**

IHC 575 w/Endgate.....**$1,950**

TILLAGE EQUIPMENT

JD 220 17-Ft. Disk Harrow w/C-Springs.....**$6,600**

Glencoe 9-Ft. Soil Saver, 7-Spring Trip Stand.....**$4,250**

IHC 6500 10-Ft. Coulter Chisel.....**$2,650**

CORN PLANTERS

JD 7000 4 R36 w/Dry Fert. **$4,750**

JD 7000 4R38 Cons. w/Frame Coulters, Dry Fert., Insect.....**$8,350**

JD 7000 6R30 w/Dry Fert., Insect.....**$4,850**

JD 7000 6R30 w/Unit Coulters, Dry Fert., Insect.....**$7,350**

Good Selection Of New And Used Compact Diesel Tractors

NEW Gear Drive- Turf Tires
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Interest Waiver For 9 Months

NEW Hydrostatic Drive- Turf Tires
Special Terms
Fixed Rates- 8.5% Or
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Used Gear Drive Tractors

AC 5015 18-HP- 677 Hrs. w/54" Mid-Mtd. Mower.....**$5,350**

JD 850 22-HP- 298 Hrs. w/Power Steering, Hyd. Outlets**$7,350**

Worksaver 3-Pt. **Blades**- Great For Snow — SAVE

- 5-Ft. **$195**
- 6-Ft. **$235**
- 7-Ft. **$250**

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- 5-Bu. **$409**
- 9.6-Bu. **$732**

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JD 336 Baler w/30 Ejector **$4,450**

NH 320 Baler w/Ejector **$3,950**

NH 489 9-Ft. Mower Conditioner **$4,150**

JD 1209 9-Ft. Mower Conditioner **$3,750**

Case 475 7-Ft. Mower Conditioner **$1,250**

Vicon 7-Ft., Rotary Disk Mower **$2,750**

COMBINES

JD 7700 w/Cab, Turbo, Hydro, 15-Ft. Rigid **$19,500**

JD 7700 w/Cab, Diesel, Gear, 15-Ft. Rigid **$11,500**

JD 6600 w/Cab, Diesel, Gear MECHANIC'S SPECIAL **$4,250**

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FORAGE EQUIPMENT

NH 1880 SP w/Cab, 3RN Auger Base **$9,500**

JD 35 Harvester w/1-Row RC, 5½ Ft. Hay PU **$1,950**

NH Super 717 1-Row **$1,000**

JD 216 Forage Wagon w/JD 1065 Gear **$2,750**

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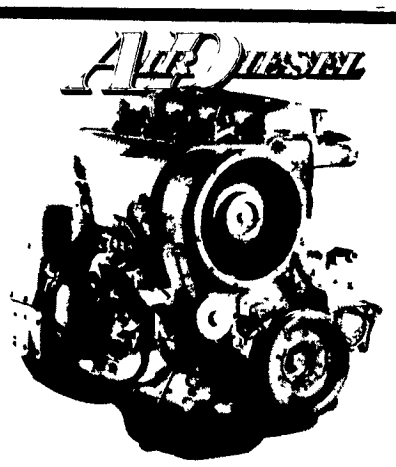

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New Ford 1220, 4WD	IH 574
New Ford 1720	IH 786
New Ford 1920	IH 1466
Ford 8N Tractor	MF 12 h.p. w/mower
(2) Ford 9N	MF 20 industrial
Ford 800	MF 135
Ford 2910 w/loader	Long 310, 2WD
Ford 3000	New Long 510 w/Shuttle Drive & Loader
Ford 4000	New Long 610, 4WD
Ford 4610, 1984 w/1,100 hrs.	New Mitsubishi 372, 15 h.p.
Ford 4610, 4WD w/7410 Ford Loader	New Mitsubishi 180, 4WD, 18 h.p.
Ford 5000 row crop	New Kioti 22 h.p.
Ford 445 industrial w/loader 1983	Ebro 480, 80 h.p.
Ford 6600, 4WD w/loader	Mitsubishi 372, 15 h.p. w/loader
Ford 7000 w/DP	Mitsubishi 160, 16 h.p. w/loader
Ford 7700, 1979 w/DP	Irrigation pump & engine unit, 354 Perkins diesel, $6,500
Ford TW20 w/4WD & Cab	
JD 2010 row crop	
JD 555, 1980 crawler loader	

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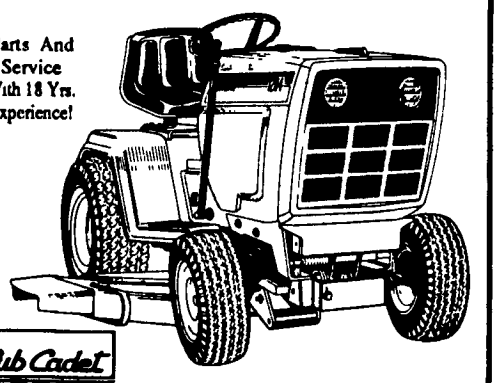

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(50) CRAWLER LOADERS

Case 850	$5900
IH 150	$6500
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AC 655-4 In 1	$8500
Case 450 w/Hoe	$8500
IH 250 4-In-1	$8500
Cat 955H	$9500
Cat 977H	$9500
(3) JD 350	$5500-$10,500
(2) Cat 933F	$9500
(6) JD 450	$6,500-$16,500
(4) JD 350 w/Hoe	$12,500
IH 125C	$14,500
(2) Komatsu D31-Cab	ea. $14,500
(6) 450 w/ Hoe..	$12,500-$19,500
(2) Cat 931-Cab	$15,000 to $17,500
Cat 951B	$17,500
Cat 951C-Cab	$17,500
Case 1150B	$22,500
(4) JD 555-Cab-Hoe	$22,500
JD 755	$23,500
Komatsu D455	$24,500
Case 1150B	$25,000
Cat 955K	$25,000
Cat 955L	$27,500
(2) Cat 983 w/Ripper	$29,000 & Up

(10) SKID STEER LOADERS

OMC	$1900
Case 1845 Diesel	$3900
JD 170	$5900
Clark 533	$5900
Melroe 731 Diesel	$5900
NH L555	$8500
Case 1835 Diesel	$8900
(2) Case 1845 Diesels	$9,900
Case 1835B	$9,900

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Ford 800	$3000
MF 300	$4000
Case 530	$4000
(2) Case 580B	$6750
JD 500C	$6900
(2) JD 300	$5000 to $7900
JD 310	$7900
MF 2200	$7900
MF 40	$7900
JD 750-4WD	$9400
(3) Ford 4500 .	$5800 to $9500
(2) Case 580B	$9500 to $10,500
Ford 6500	$10,900
JD 310A	$11,500
Ford 420	$11,500
IH 260	$11,500
Ford 550	$11,500
(3) AC 715	$9500 to $15,000
(2) Case 480C	$12,500
(2) JD 410's	$12,500
Long 5 In 1	$13,500
(2) Case 580C	$14,500-$16,500
Case 580D	$20,500
Case 580E-Super 4WD	$29,500

(7) LOG SKIDDERS

Franklin 130XL	$7500
Timberjack 240	$7500
JD 440A	$8500
Timberjack 230	$16,500
JD 440C	$18,500
JD 640	$20,000
JD 640 w/Grapple	$20,000

NEW 3 PT. YARD RAKES

4'	$395
5'	$450
6'	$495
7'	$550
8'	$595

NEW 3 PT. LANDSCAPE BOXES

4'	$450
5½ '	$475
6'	$495
7'	$595
8'	$595

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(100+) Used Hoe Buckets..	Come Look
(75) Loader Buckets..	Come Look
(75) Set Forklift Forks....	Come Look
Ford 4500 Frost Tooth	$395
Ford 4500 ROPS	$650
3 Pt. Hitch For Case 580	$695
12" PHD For Hoe	$795
10' Foot Rake	$1000
8 HP Mortar Mixer Like New	$1150
Ingersol 25 HP Compressor	$1500
Ripper For Cat 933	$1500
(4) Tree Planters ..	$695-$1800
(4) Winch Attach ...	$1000-$3750
Kubota 3 Pt. Hoe	$2350
Case 33 Hoe Attach.	$2500
1 Ton Roller	$2500
1 Ton Overhead Crane	$2500
(3) JD Hoe Attach ...	$2500-$4500
Tree Shearer	$2900
MF Hoe Attach	$3000
Case 450 Hoe Attach	$3500
Snowblower For Big Loader	$3900
8' Sheeps-foot	$3900
Huber Maintainer ..	$3900
Pull Type Sweeper	$3900
Long 1199A Hoe Attach	$3900
JD 3 Pt. Hoe	$4450
2 Ton Overhead Crane	$4500
AC D Grader	$5900
(2) Wood Chipper	$5900
Huber M600 Maintainer	$7900
(2) Gallon 503 Graders Diesel....	$6500-$8900
Wayne Stump Grinder	$8900
Petibone 5 Ton Yard Crane	$8900
Vemeer Tree Spade	$15,000
JD 760 Scraper	$18,500

(18) TRACTORS WITH LOADERS

MF 303	$3900
IH 364	$3900
Ford 4500	$3900
(2) MF 202	$3400 to $4500
Mitsubishi	$4900
White 2-63	$4900
White 2-44	$5500
MF 135	$5900
JD 650-4WD	$6400
IH 240A-Diesel	$6500
MF 40	$6500
IH 2500A	$6500
Ford 3400	$6500
Ford 2110	$6900
MF 1030-4WD	$7650
Ford 335	$8900
IH 260A	$$10,500

CONSTRUCTION EQUIPMENT

NEW 1988 TRAILERS ON SPECIAL

- 2 Axle, 5 Ton, 14 Ft. $1,695
- 2 Axle 5 Ton, 16 Ft. $1,795

(8) TRUCKS

1953 Chevy Pickup	$2400
1977 IH 1750 Diesel Dump	$3900
1969 Mack Dump..	$4900
1979 Chevy C60 Flat Dump	$4900
1980 Chevy C30	$5900
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1970 GMC Astro w/24' Rollback	$17,500
1981 GMC Tandem Rollback	$29,500

(13) FORKLIFTS

IH 2400	$3900
AC 5000 Lb.	$3900
White 4000 lb.	$4900
AC 4000 lb	$5900
Baker 4000 Lb	$6900
Ford 28'-RT	$6900
IH 5421-21'	$6900
Case 580D-14'	$7900
MF 2500D-14'	$8900
Skytrack	$8900
AC 1600-21'	$12,900
Case 584D-21'	$12,900
Case 586C	$18,500

(33) DOZERS

McCormick T20	$1700
Cat D2	$2500
Oliver HG	$2800
JD 40	$3200
Oliver OC4	$3500
JD 440	$3500
(2) Case 450	$5500 to $13,500
IH TD9-92	$5900
(2) Cat D6B	$8500
(6) JD 350	$5500-$10,500
Komatsu D30 Cab	$11,500
(3) Cat D4D .	$12,500-$17,500
JD 550	$18,500
Cat D3	$19,500
Case 850B-6 Way	$19,500
(4) JD 450 ..	$11,500-$19,500
Cat D3B-6 Way ..	$22,500
Cat D6C	$22,500
Case 1150C-Cab-Ripper	$29,500
JD 450D	$31,500
IH TD 25C w/Ripper	$55,000

(16) RUBBER TIRED LOADERS

Case W7	$4500
Michigan 55-Cab	$5500
IH 500	$6500
Hough 50C-Cab	$7500
JD 544	$7500
Ford A62	$8500
Waldon w/Hoe	$10,500
Ford A64	$13,500
JD 544	$16,500
(2) Ford A62	$22,500
Case 730	$22,500
Cat 910	$23,500
JD 544B	$24,500
JD 644B	$34,500
Cat 988	$49,000

(20) TRAILERS

3X Tag-A-Long	$900
1X Tag-A-Long	$1250
1988 2 Axle 5 Ton	$1695-$1795
(2) 2X Tag-A-Long	$2000
3X Tag-A-Long	$2900
1986 9 Ton Gooseneck	$4900
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1988 10 Ton Tag-A-Long	$6200
25 Ton Lowboy	$6900
35 Ton Lowboy	$6900
1988 12 Ton w/Air	$7700

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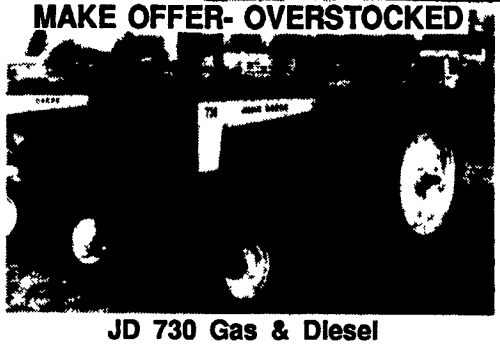

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We Have 8
$3,500 To $4,900

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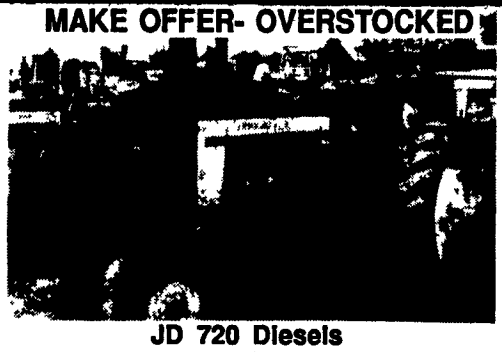

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5 In Stock
$2,800 to $3,500

JD "G" Styled & Unstyled
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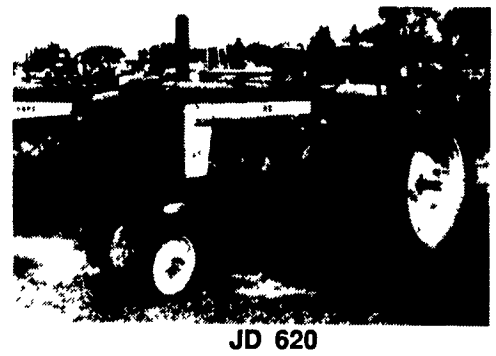
JD 40- WF- 3 Pt.- Good Tires- Good Sheetmetal- Above Average
$2,900

JD 420 HI-Clear, 3 Pt. Above Average
Only **$2,900**



JD 620
3 To Choose From
$2,500 To $3,150

NEW 3 PT. POST HOLE DIGGERS

Your Choice 6", 9", 12" Augers.....$495

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5½ ' Combination Blades $495
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B-Cyclone	$1200
(4) A-Gas	$1150 to $1450
60 Standard	$1500
620 Orchard	$1500
AR	$1500
60	$1600
(2) AO-Standard	$1400 to $1700
(2) M-WF	$1900 to $2500
(2) L	$1900
70 Gas	$1900
420-WF-3 Pt.	$1900
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(3) 620-Gas	$2500 to $3150
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(5) JD 720-Diesel-3 Pt.	$2800 To $3500
830-3 Cylinder-WF-3 Pt.	$3900
320-WF-3 Pt.	$3900
520-WF-3 Pt.	$3900
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2510 With Loader	$3900
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3020 Diesel-WF-3 Pt.	$4900
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35 w/Mower	$2500
235 Diesel-Needs Steering Work	$3900
1105 Diesel	$4500
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1080 Diesel-Nice	$5900
165-Gas-Nice	$5900

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2000 Gas-WF-3 Pt.-Nice	$4500
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8700-Cab-Air	$8900
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3910-Diesel-Demo-1988	$11,900

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930CK-WF-3 Pt.	$4400
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190XT-Diesel-3 Pt.	$4900
180 Diesel-WF-3 Pt.	$4900
7080-Cab	$5800
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185-Diesel-Clean-1980	$7500

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Kubota B7100 HST w/Mower	$3900
(3) Imt. 539-Diesel-WF-3 Pt.	$5900
Kubota L275-4WD-w/Mower	$8500
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Super 77 Gas	$1350
(3) 88 Diesel	$1500 to $2000
(2) 70-Gas	$950 to $1650
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770 Diesel-WF	$1900
MM Super 4 Star	$2700
1800 Diesel	$2900
1600-Gas-WF-3 Pt.	$2900
550-Gas-PS-3 Pt.	$3900
1750 Diesel-As Is	$3900
1950 GM-WF-3 Pt.	$5400
1855-WF-3 Pt.-1973	$5900
2255-Cab-Nice	$7900
1955-Cab-Low Hours	$7900
4-150, Cab-Duals-3 Pt.-PTO	$10,500

FARMALL

240 w/Mower	$1900
230-Gas	$1900
AV w/Cultivators	$1900
350 Gas-Utility	$2350
(3) Super C	$1650 to $2350
560-Gas-WF-FH	$2900
Super A w/Cultivators	$2900
(3) Cub's	$1800 to $2500
140 w/Mower	$3900
2424 w/Mower	$3900
706 Diesel-WF-FH-Nice	$4800
454-Gas-PS-3 Pt.	$4900
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(3) 686 Diesel-ROPS	$5900 to $6900
1206 Diesel-WF-3 Pt.	$6900
274 Diesel-3 Pt.-Cult.	$6900
856-Diesel-Nice	$6900
84 Diesel-Hydro	$8500
1466-Cab	$8500
1566-Red Cab-Nice	$10,500
560-Gas-FH-Mint	Call

NEW ROTARY MOWERS

4' 3 Pt. HD.	$495
5' 3 Pt. HD	$495
4' Pull HD	$595
5' Pull HD	$695
6' 3 Pt. HD.	$795
6' Pull HD	$895
4' 3 Pt. Estate Mower	$1095
5' 3 Pt Estate Mower	$1095
6' 3 Pt. Estate Mower	$1195
7' 3 Pt. Estate Mower	$1295
7' 3 Pt. HD.	$1495
7' Pull-HD	$1595

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Round Bale Feeder	$145
3 Pt 1 Row Cultivator.	$150
3 Pt Seeders- Broadcasters	$350
3 Pt Subsoiler	$395
3 Pt Woodsaws	$495
3 Pt Wheel Rakes	$495
2x14" 3 Pt. Plow.	$595
5' 3 Pt Aerator	$695
9' Hay Tedders- 3 Pt	$895
9' Hay Tedders- Pull	$895
3 Pt. 52" & 58" Rototillers	$1275
3 Pt. 1 Row Potato Diggers	$1495
3 Pt Sickle Bar Mowers	$1695

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JD KBA Wheel Disc	$195
(3) 4X Rotary Hoes	$295-$595
(3) Souder Loaders	$195 to $295
IH Cub Rotary Mower	$295
Skeleton Elevator-24'	$295
(3) 2 Row 3 Pt. Cultivator	$295
IH Super C 2X Cult. w/FH	$295
Loader For JD "A"	$300
MF Hay Rake	$300
3 Pt. Disc	$350
(2) Mechanical 1x3 Pt. Transplanter	$395-$495
Ford 1x3 Pt. Plow	$395
Cab Off Case 1030	$400
IH Cub Snow Blade	$450
IH Cub Lowboy Snow Blade	$450
(2) JD 290 2X Pull Planter	$295-$495
3 Pt. Woodspliter	$495
JD 2x3 Pt. Plow	$495
Ford 2x3 Pt. Plow	$495
IH FH Sickle Bar Mower	$495
(5) 3 Pt. Field Cultivators	$495-$795
JD 43 Cornsheller	$595
IH 2X FH Trip Plow	$595
(2) Flat Wagons w/Sides	$650
Loader For IH C	$695
(4) 3 Pt. Tree Planter	$695 to $1800
JD 3x3 Pt. F125 Plow	$695
JD 1 Shank Pull Subsoiler	$695
NI 10' Lime Drill	$695
3 Pt Post Driver	$750
David Bradley Manure Spreader	$750
IH 14' Wheel Disc	$795
MF 428 4 Row 3 Pt Cult	$795
Forage Wagon	$795
Loader Off AC WD45	$795
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Brillion 16' Harrow On Wheels	$795
Mott 6' 3 Pt Flail Mower	$895
IH 3 Pt Sickle Bar-Dyna Balance	$895
Shultz PTO Spreader	$895
JD RG-4x3 Pt Cult	$895
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JD 1250 3x16" Plow	$1095
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JD 16A Flail Chopper	$1200
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IH 915 Diesel-Hydro-Combine	Call
JD 4400 Diesel-R Screen	Call
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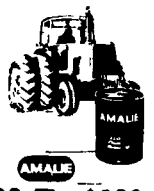

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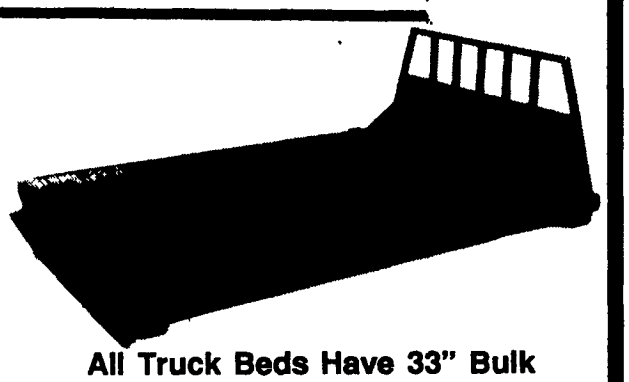

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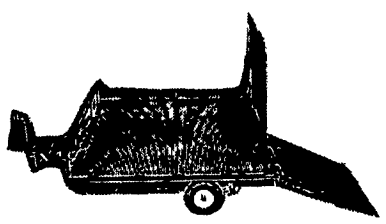
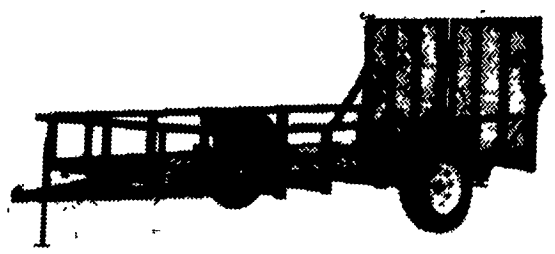
12'Lx91" W

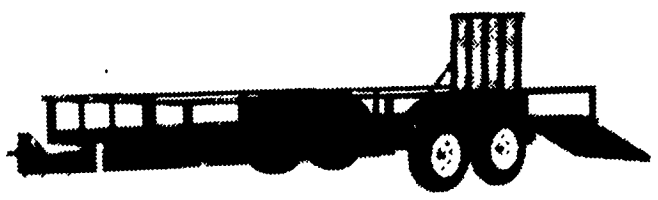


BGK 808 DECK-OVER Fabricated From 3" Structural Channel With Heavy Duty Expanded Metal Deck 5.70x8 Tires, 2" Coupler, Top Wind Jack
AVAILABLE SIZES: 6'-8' Width
8'-16' Length
GVW 1500 - 3000 Lbs.
Single Axle Double Axle

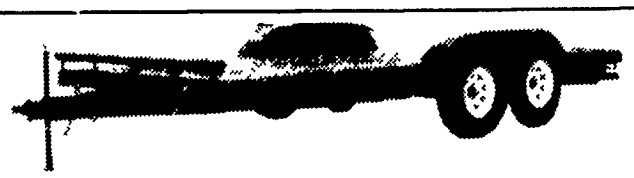


UTILITY (TILT MODEL) - Fabricated from the highest quality steel and component parts. These trailers standard features include, 15" White Spoked Wheels, New tires, 2" coupler, and safety chains.
AVAILABLE SIZES: LENGTH: 8 to 12 feet WIDTH: 60 to 76 inches
GVW: 3,500 lbs.

Largest manufacturer of a complete line of trailers, utility, construction, and goosenecks. QUALITY, WORKMANSHIP and DESIGN are the three most obvious components in these trailers.



UTILITY - Fabricated with rectangular tubing and angle, these trailers are available in most sizes to meet all your hauling requirements.
AVAILABLE SIZES: LENGTH: 12 to 20 feet
WIDTH: 76 to 81 inches
GVW: 7000-12,000 lbs. TIRES: 700-15 LT



UTILITY (FLAT BED) - Fabricated from 5"x3" angle, with heavy duty wrap-around tongue. 2-5/16" coupler, and self storing 80" long ramps.
AVAILABLE SIZES: LENGTH 14 to 18 feet
WIDTH: 76 to 81 inches
GVW: 8000 lbs. TIRES: 700-15 LT

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- 1 & 2 Bottom Plows
- Discs 4' - 8'
- Blades 5'-8'
- Box Blades 4'-8'
- Stone Rakes 4'-8'
- Post Hole Diggers
- 1 Row Cultivators
- Dirt Scoops
- Boom Poles
- Rear Carriers
- Fertilizer Spreaders
- Concrete Mixers
- Field Cultivators
- Potato Plows
- Hay Rakes & Tedders
- Rotary Mowers 3'-7'
- 4'-6' Finish Mowers
- Bale Carriers
- Sickle Mowers
- Rototillers
- Log Splitters
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- Truck Beds - 7' to 12'

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50 Different Models Available

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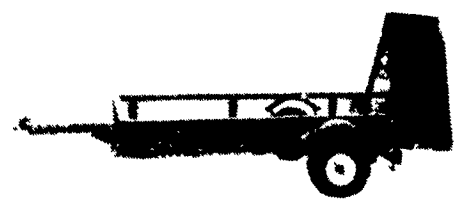
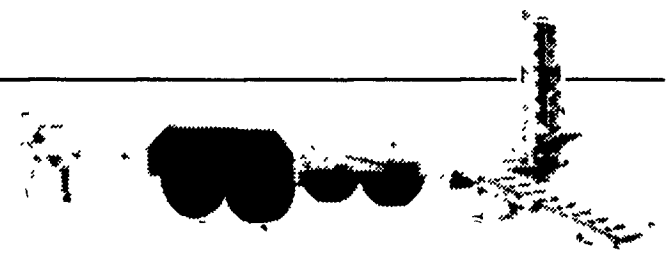
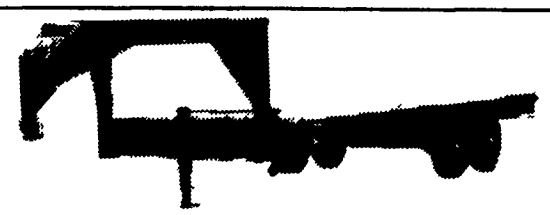


BGK 408 UTILITY Fabricated From 2'x3' Angle Iron With HD Expanded Metal Deck 5.70x8 Tires, 1 7/8" Coupler, Tail Lights, Safety Chains, Tie Down Stake Pockets, Inc. 38" H x 49" W Tail Gate. Available Flat or With Rail (Shown)
Deck Size 4'x8' GVW 1500 Lbs.



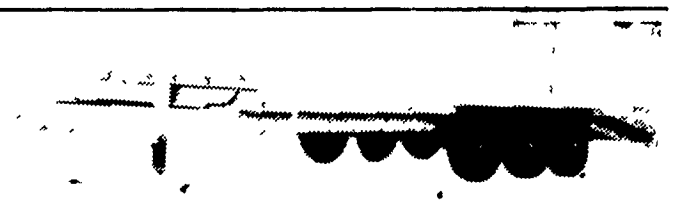
CONSTRUCTION (LOW DECK) - Fabricated from 6"x3½ " angle, 3" channel crossmembers, 5" channel heavy duty wrap-around tongue with four position adjustable hitch, diamond plate fenders, and 56" long attached ramps.

AVAILABLE IN DROP-AXLE
AVAILABLE SIZES: 6'4" WIDE x 16' LONG & 81" WIDE x 18' LONG
GVW: 8000-12,000 lbs TIRES 750-16



GOOSENECK TRAILERS - Gooseneck feature is available on Flat Bed Deck-Over Models and on Utility Models with tubular side rails All models have adjustable top crank couplers welded to heavy duty 8" channel frames Top decks are standard on Deck-Over Models

AVAILABLE SIZES: LENGTH 18 to 28 feet
WIDTH 76 to 96 inches
GVW 12,000-18,000 lbs TIRES 750-16 LT



CONSTRUCTION (DECK-OVER) - Fabricated with 8" channel main frame, with 4" and 5" channel crossmembers All sizes have 4-foot dovetail and heavy duty 56" long attached ramps, four position pintle hook, stake pockets, rubrail and drop-leg jack
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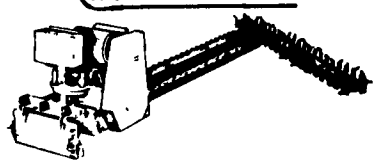

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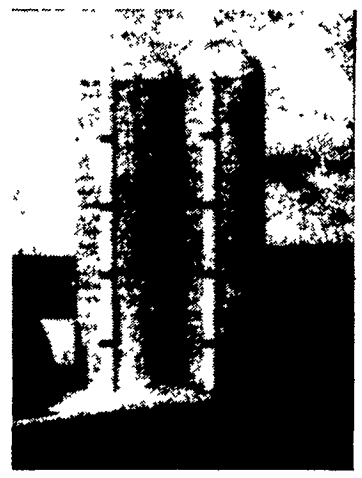

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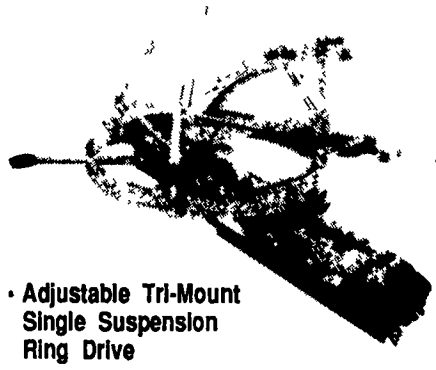

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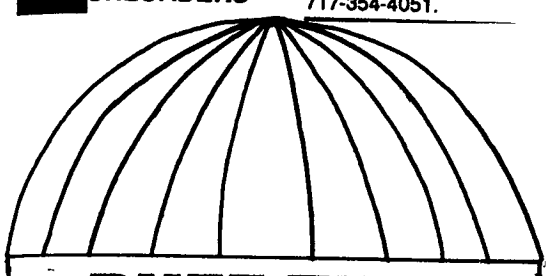
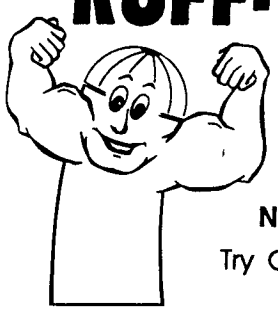


RUFF-TUFF



POLY SILO LINERS

for Upright Silos

If Your Silo Needs New Life...

Try Our Poly Silo Liners

- THE ADVANTAGE OF A POLY LINER -

- Spoilage is reduced around doors.
- Feed is exposed to less oxygen - better fermentation
- Allows storage of high moisture grains or dry grains in a conventional silo
- Delays repair or replacement of corroded silos
- Prevents corrosive acids from contacting silo wall - extends silo life
- Quick installation
- Effectively seals silo from air and weather

Ruff-Tuff Poly Silo Liners Come In Standard Lengths Of 40, 50, 60 and 70 Feet. The Liners Are Manufactured To Fit Most Standard Diameter Silos.

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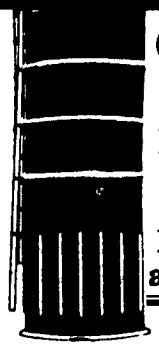
Store Hours - Mon., Thurs. & Fri 7 A.M to 8 P.M
Tues. & Wed 7 A.M to 5 P.M., Sat. 7 A.M to 12 Noon



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- **Van Dale Products**
  - All New Magna-Matic 360
  - Silo Unloaders 10'-30' New & Rebuilt
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  - 40 Cows to 400 Cows
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  - Gas Powered Ensilage Carts
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- **Liquid Manure Spreaders**
  - 1500 Gal. to 4500 Gal.
  - Soil Injectors
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- **Fickes Stave Silo - Top and Bottom Unloading**
- **Double Chain Wood Conveyors w/Slip Clutch & ¾ " Bottom**
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excellent Starline model 70 unloader. New blower, bearings & paddles. Can be seen standing in Lanc. Co., $3,900. 717-354-4051 days, ask for Bill.

Need a dependable trucker to haul your used silo? We load & unload. Pallets Available. Luke B. Hollinger, Inc. 717-656-4196

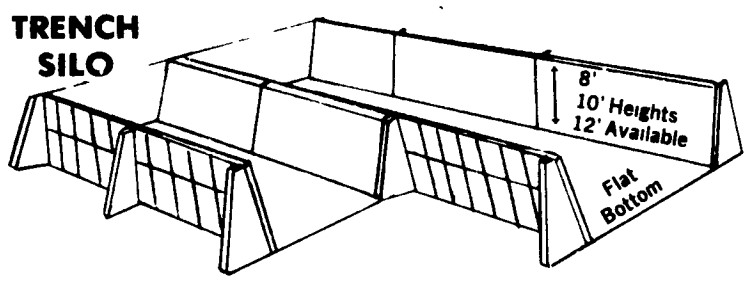
WARNING, ALL SILO OWNERS

Check Your Silo Now For Rotten Staves. If You Have Been Using Your Silo For 10 To 15 Years For Either Corn Silage Or Haylage, It Is Time To SHOTCRETE.

Maybe your silo only needs SHOTCRETE on the inside, outside or bottom. In any case call us to have your silo inspected.

Lancaster Silo Co., Inc.
2008 Horseshoe Road
Lancaster, Pa. 17601
717/299-3721

TRENCH SILO



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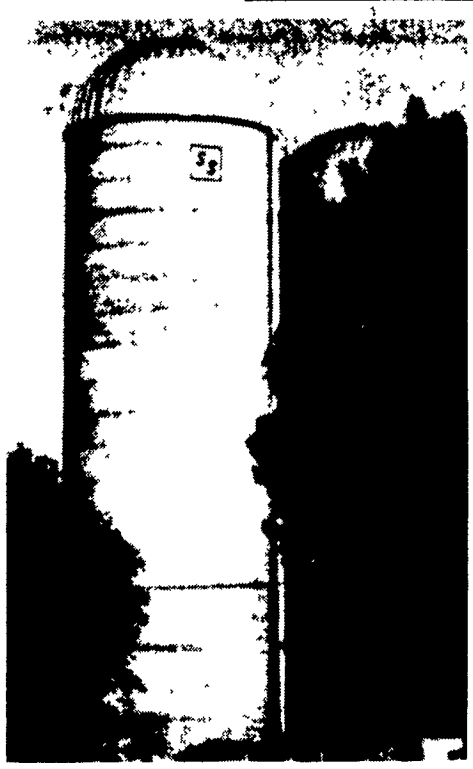
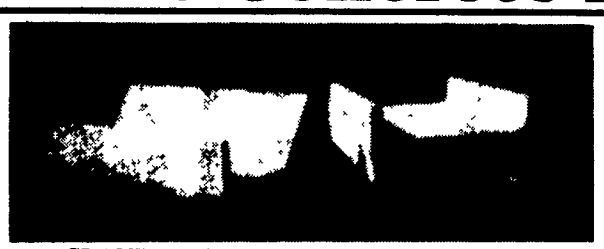
INSULATED PANELS
Movable And Expandable - We Deliver And Install

"Consider The Concrete Advantages"



Poured concrete silos since 1908. Now in our 80th year and recognized as the leading silo manufacturer in the east. This quality storage system is available now. Top unloading - bottom unloading - and the unique Big Jim System.

Solid 6" concrete wall, heavily reinforced with hi grade steel, and equipped with concrete chute, fill pipe, ladder, safety cage and aluminized steel roof. Our conventional top unloading silo has a door system 2nd to none!



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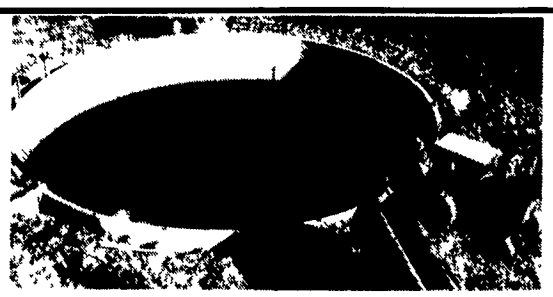
Let Us Know Your Needs. We Can Deliver From Our Large Inventory And Set On Your Prepared Site. OR: We Can Load On Your Truck To Help Save On Freight Costs. We Have Several Sizes And Styles To Choose From, Plus Metal Posts, For Cable, Which Can Be Bolted To The Bunk To Keep Cattle Out.



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- Manure Storage Systems For The Small Herd - or The 400 Cow Herds And Larger.
- Systems Adaptable To Any Type Equipment
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- Pre-Cast Concrete panels Delivered And Set On Your Prepared Site.

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New and Used Extensions
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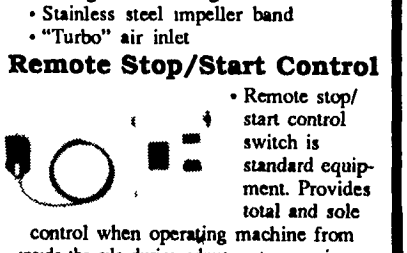

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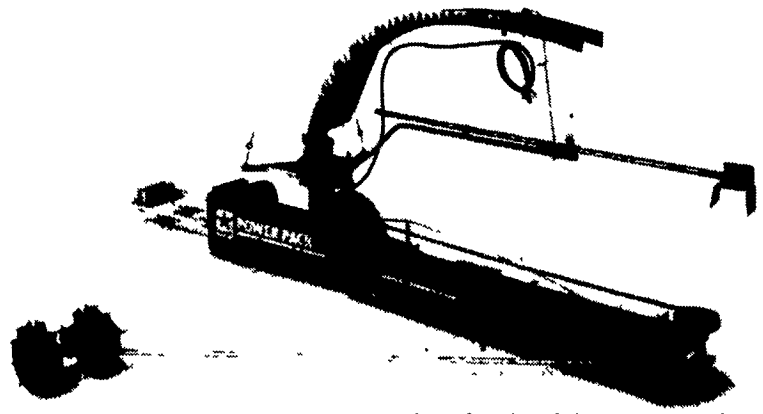
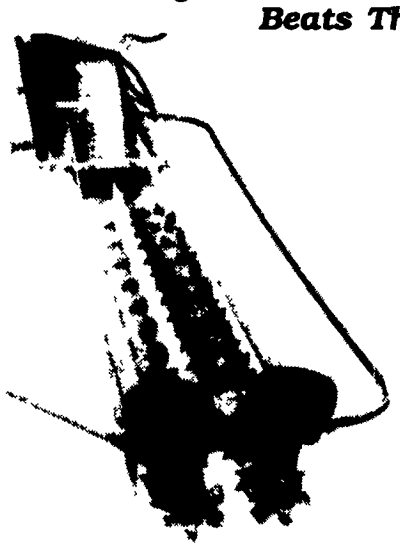


Feature By Feature, You'll Find This Unloader Beats Them All!

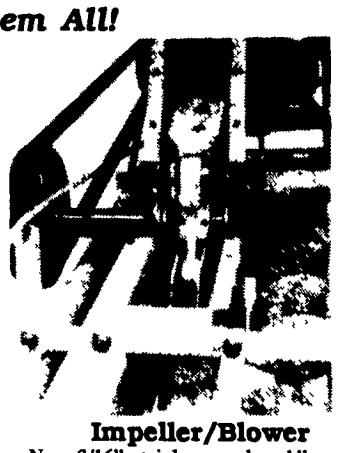


Auger
- 2 3/8" diameter
- Counter-rotating 7" and 8" twin augers feature ¼" flighting (not 3/16" like some unloaders)

Gear Box
- Oil sight glass

Motor Mount
- Banded double B-section V-belt to blower
- Single B-section, V-belt

Chute
- Replaceable stainless steel chute liner



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- New 3/16" stainless steel paddles
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- Wide blower discharge
- Strong ABS bearing cover
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- Remote stop/start control switch is standard equipment. Provides total and sole control when operating machine from inside the silo during adjustment or servicing.

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Starline Belt Feeder
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3 2060
1 2040
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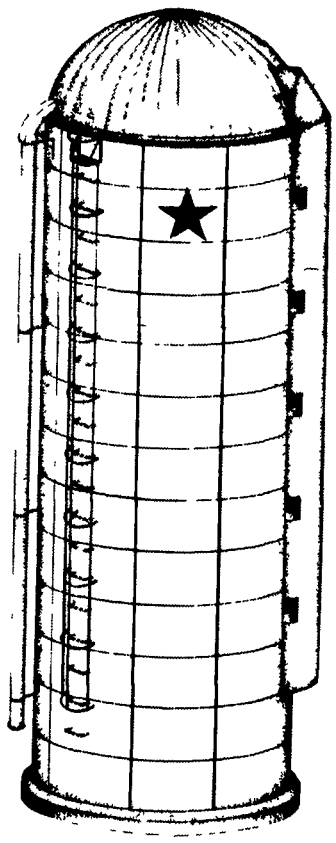

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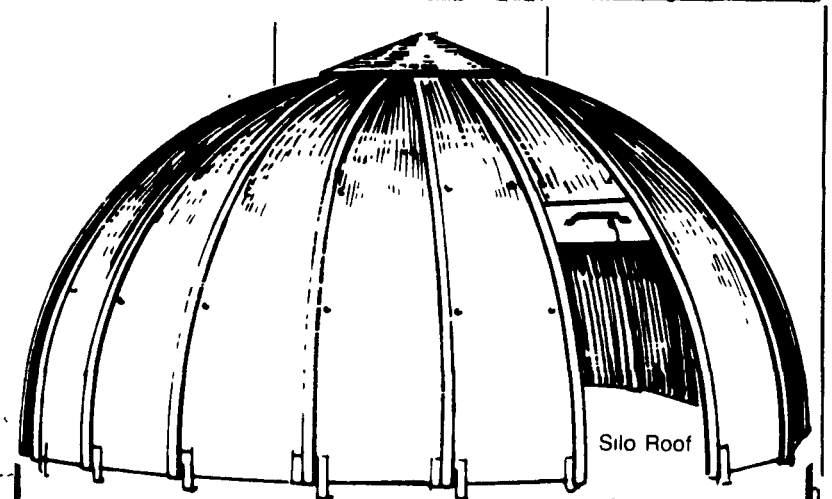
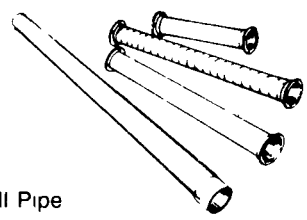

Silo Roof


Fill Pipe
Vinyl and Steel

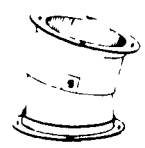
Telescoping Section

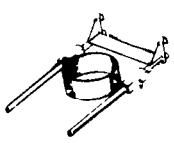
Kwik Pipe

Vinyl Repair Sleeve

8 to 9 ' Transition

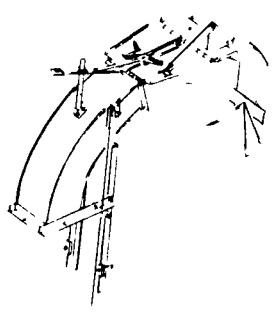
1 Arm Pipe Support Bracket

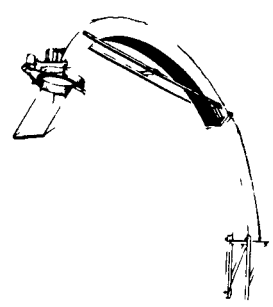

Swivel Transition


2 Arm Pipe Support Brackets

Shute

Fiberglass or Steel


1030 Multi Fly Spreader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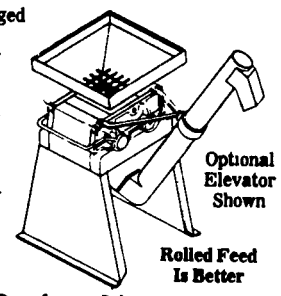
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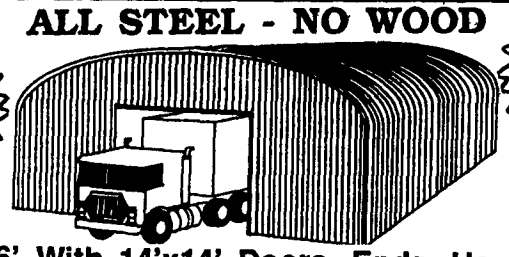

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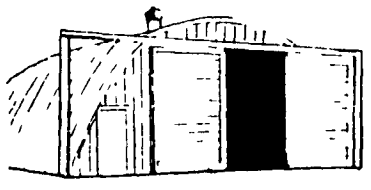

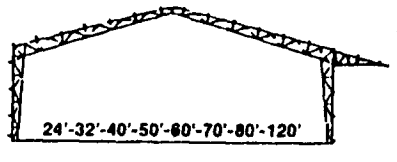

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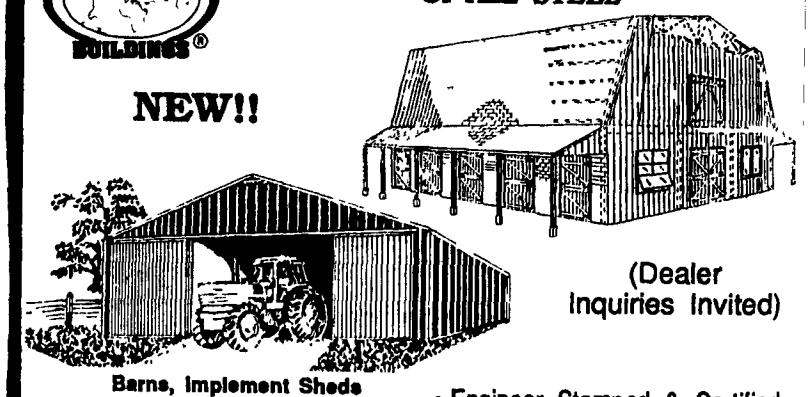

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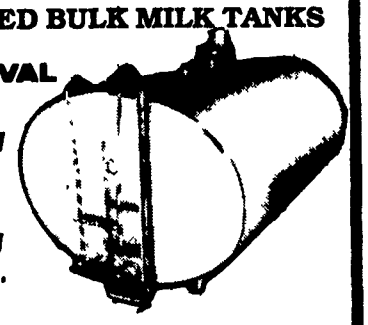

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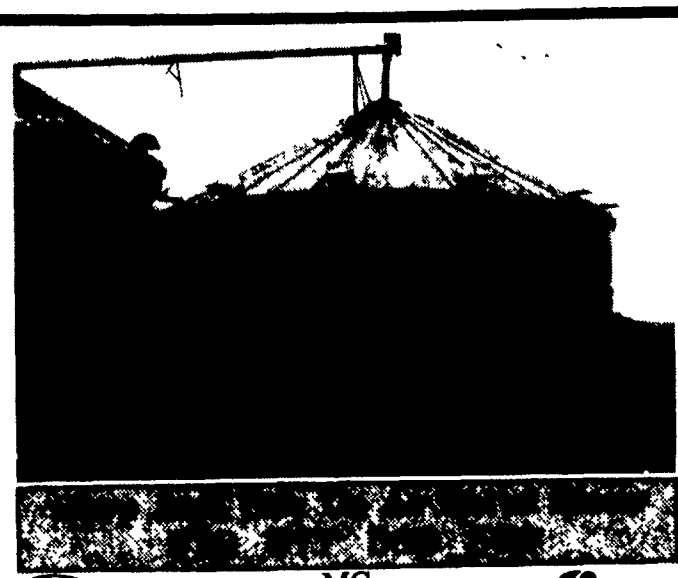

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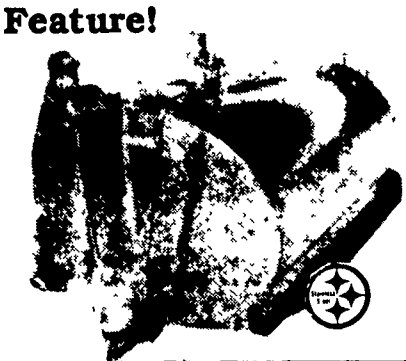

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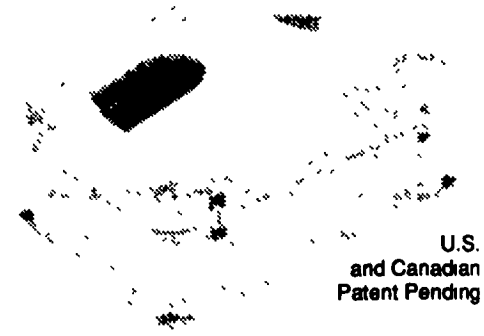

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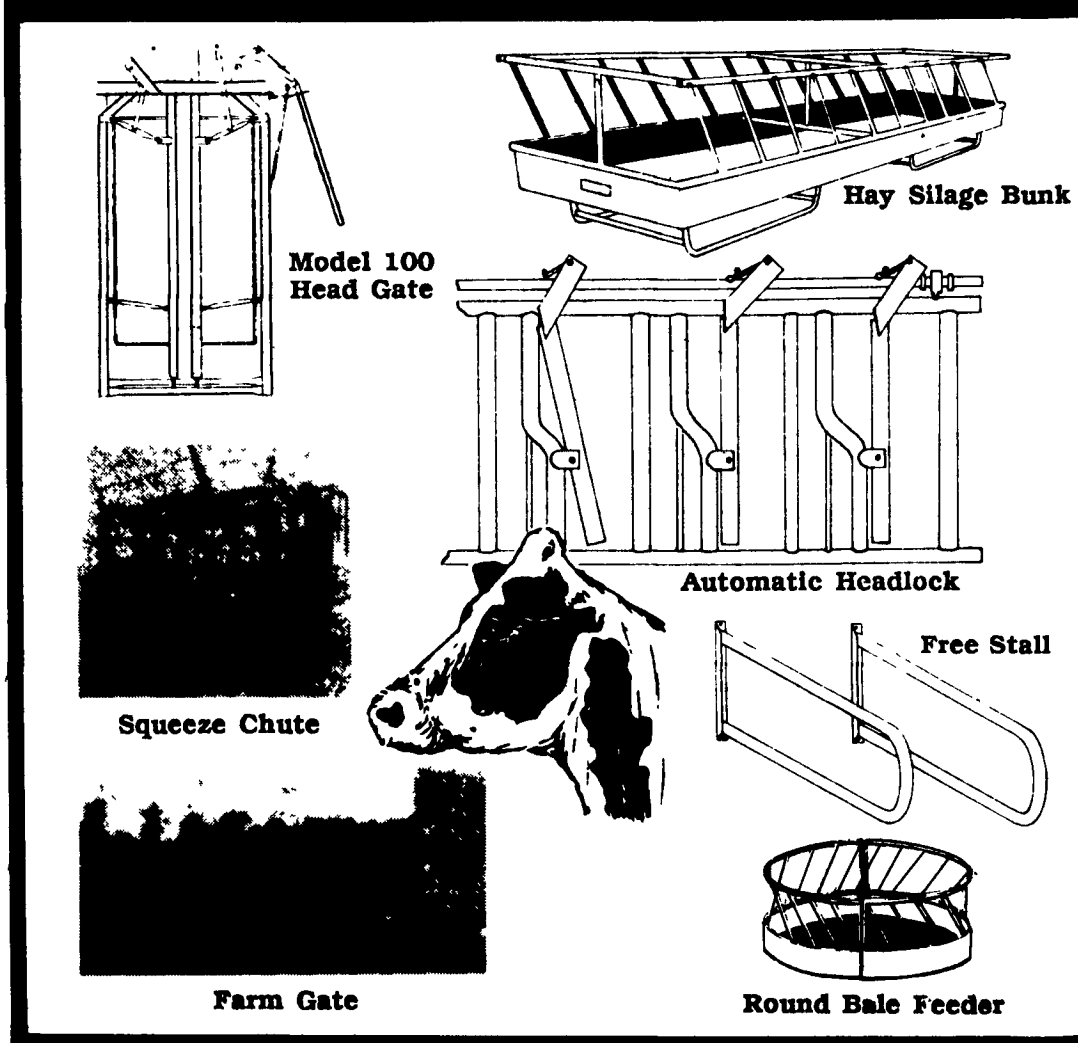

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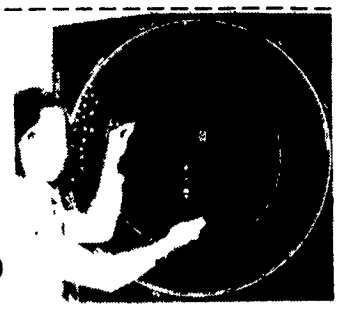

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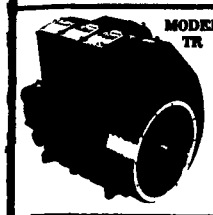

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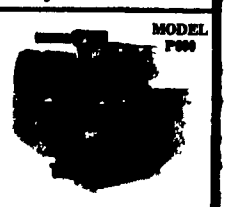

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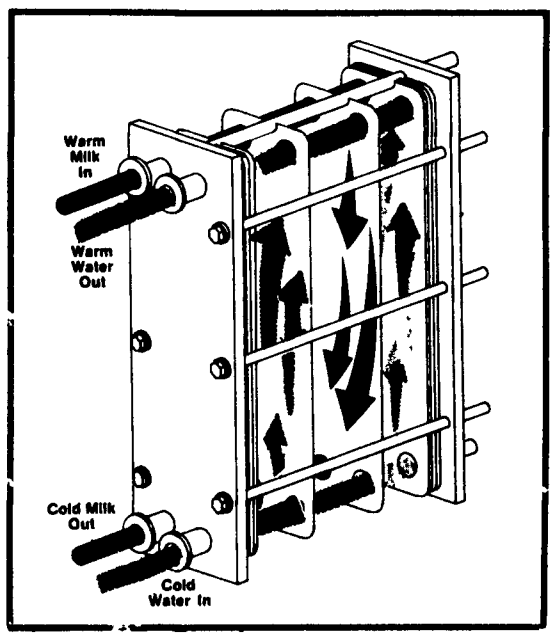

Call Today For FREE DEMO!

★

Ask For Our List Of Many Delighted Users Already Benefiting From Mueller Accu-Therm

Now's The Time... Call Us For Details!

Southern Service Center
468 Dry Wells Rd.
Quarryville, Pa.
717-786-1617
Vic Leininger

MAIN OFFICE
614 Penryn Rd.
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Ken or Ed Brubaker

Northern Service Center
RD 1, Box 199
Myerstown, Pa.
717-933-4711
Ken Kopp

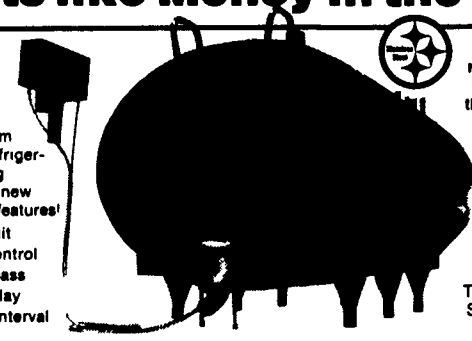
★ 24 Hour Service In S.E. PA, S. Jersey, Delaware N.E. And Eastern Shore Maryland!

★ Call Today For All Your New or Used Milk Tank And Refrigeration Equipment Needs!

MUELLER
HiPerForm

"The Ultimate Measure of a Cooler's Worth is its Performance!" . . . and when you put your milk in a Mueller HiPerForm

...its like Money in the Bank!



The HiPerForm Electronic Refrigeration Washing System has a new look and new features!

- Alarm Circuit
- Pre-start Control
- Manual Bypass
- Digital Display
- Automatic Interval Agitator
- Agitate Time Switch
- Digital Temperature Readings

Mueller Model "OH" Milk Coolers not only look good, they offer the ultimate in sanitary design and are 100% stainless steel!

FIELD SERVICE TRAINED DISTRIBUTORS offer INSTALLATION and 24 HOUR SERVICE to ensure the safekeeping of your milk!

USED TANKS

Large Selection Of Good Used Tanks In Stock
All Guaranteed

1500 Mueller "OH" 900 Mueller "OH" 400 Mueller

MARTIN'S REFRIGERATION, INC.

Phone (717) 352-2783
Sales & Service

1122 Woodstock Rd
Fayetteville Pa 17222

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RD #2, Box 21 New Holland, PA 17557

(717) 354-4158
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DIESEL AND REFRIGERATION SERVICE

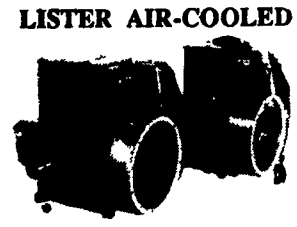
Authorized Dealer Specializing In LISTER And Also PETTER Diesel Engines

LISTER PETTER

TS2/TS3 AIR-COOLED DIESELS

HORSEPOWER RATING FROM 3 TO 132 H.P.

LISTER AIR-COOLED



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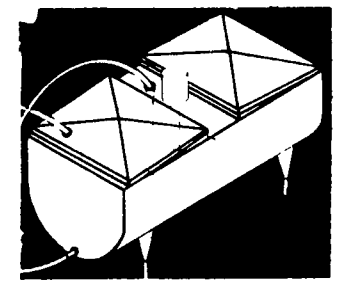
SUNSET SUPPLY, INC.

Ask About Diesel And Bulk Tanks - Completely Installed



Available: Used Mueller - Sunset - Girton - Bulk Tanks

JOHANNING'S
Family Store

2460 New Holland Pike, Lancaster, PA 17601
¼ Mile West of Meadowbrook Farmers Market, Rt. 23, Leola
(717) 656-3700 or (717) 291-4420
Hours-Mon.-Thurs. 8 AM-8 PM; Fri. 8 AM-9 PM; Sat. 8 AM-5 PM
We Ship UPS

If an item pictured is not available for purchase due to any unforseen reason, Johanning's will honor a rain check for the merchandise to be purchased at the sale price whenever available. We reserve the right to correct printing errors and to limit quantities.

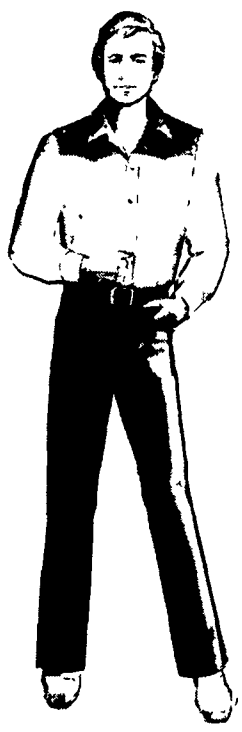
The Annual P.A. FARM SHOW SPECIAL SALE

We Ship UPS

Now Thru January 14, 1989

key QUALITY

WESTERN BOOT JEAN



- 14 Oz. 100% Cotton Denim
- Key-Set, Washes Wrinkle-Free
- Distinctive Stitching
- Scoop Front Pockets
- Rear Patch Pockets

$10.99 Thru 42" Waist

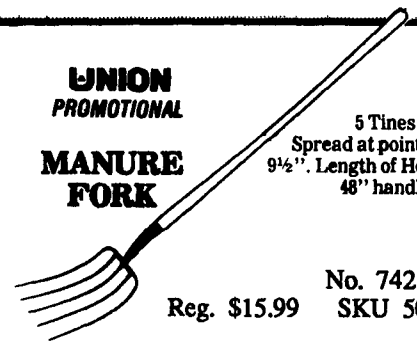
$11.99 Sizes 44" + Waist

WIESE DISC BLADES

Diameter	Ga.	SALE
16"	11	$6.39
18"	9	$8.99
20"	9	$11.49
20"	7	$13.99
22"	7	$16.49

UNION PROMOTIONAL

MANURE FORK



5 Tines. Spread at points, 9¼"-9½". Length of Head, 12½" 48" handle.

No. 742 236
Reg. $15.99 SKU 50330

FARM SHOW SPECIAL $12.99

UNION STANDARD

DH ALUMINUM SCOOP SHOVEL SKU 50160

#14 size. 15¼"x19¾" blade. Etched finish. .27" "D" handle. SKU 50160

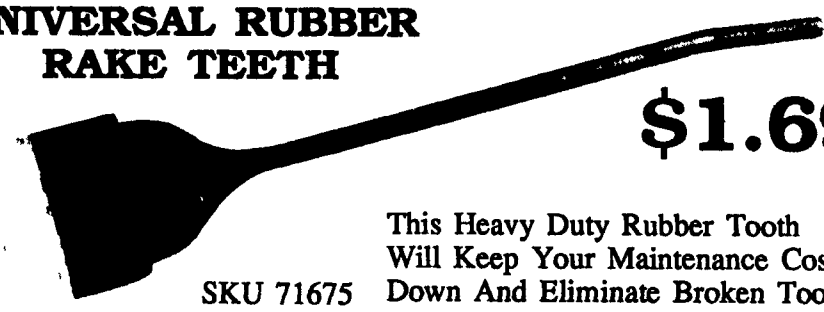
Reg. $22.99

FARM SHOW SPECIAL $16.99

Heavy Duty ALUMINUM SCOOP SHOVEL
w/40" Handle Reg...$28.99
SKU 50155

SALE $22.99

UNIVERSAL RUBBER RAKE TEETH



$1.69

SKU 71675

This Heavy Duty Rubber Tooth Will Keep Your Maintenance Costs Down And Eliminate Broken Tooth Problems In Raking

ROCK SHARES (RS) SERIES
STAR Manufacturing

Made of High Carbon Steel, ½" Thick At Center
Heavier Than Most OEM Shares

To Fit Most Plows:
• Oliver
• JD • MF
• IH • AC
• Ford

	SALE
• 14"	$6.49
• 16"	$7.29
• 18"	$7.89

50 LB. WHITE SALT BLOCK

Reg. $4.25
FARM SHOW SPECIAL
$3.79

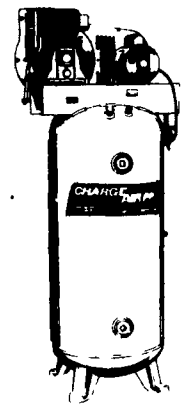
CARGILL SOLAR SALT

80 Lb. Bag
SKU 71530

$3.99

INGERSOLL-RAND®
AIR COMPRESSORS

50 HP, 60 GAL. TANK



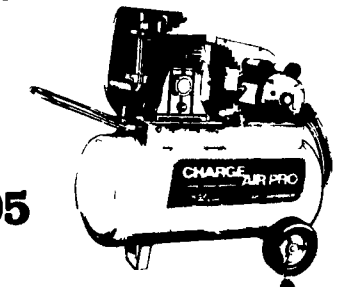
- 125 Lb. Maximum Pressure
- 230 Volts/20 Amps
- 12.5 CFM (11.00 90 P.S.I.) SKU 45104

Reg. $559.95
SALE PRICE.. $519.95

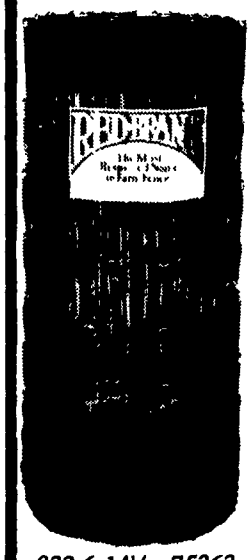
20 H.P., 20 GAL. TANK

- 125 Lb. Maximum Pressure
- 115/230 Volts
- 7.0 CFM (6.2 @ 90 P.S.I.) SKU 45102

Reg. $359.95
SALE PRICE
$319.95



KEYSTONE FENCE



- 832 6-14½ 75363
Reg. $50.59
SALE
$47.39

REDBRAND The most respected name in farm fence®

STUDDED STEEL POST

PRE-SEASON SALE
Order Now, Pay 20% Down
Pick-Up After March 1, 1989

- 1047 6-11, 70676
Reg. $127.59
SALE $122.69
- 1047 6-9, 75301
Reg. $166.79
SALE $149.85
- 1047 12-11, 70677
Reg. $97.69
SALE $93.29
- 1047 12-9, 70678
Reg. $140.79
SALE $134.89
- 832 6-11, 75362
Reg. $91.39
SALE $86.09
- 5 Ft., 75373
Reg. $2.29
SALE $1.89
- 6 Ft. 70679
Reg. $2.69
SALE $1.99
- 6½ Ft.
Reg. $2.89
SALE $2.19
- 7 Ft. 70681
Reg. $3.09
SALE $2.39

key QUALITY

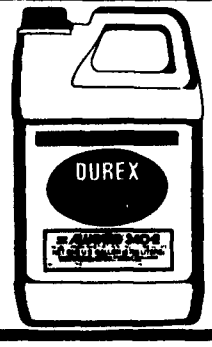
BIB OVERALLS are tougher than your work

- Tough 12 oz. cotton blue denim
- 100% Sanforized
- "No-bind" fit
- Double bottom pockets
- Rust proof hardware
- Triple stitching

Made in U.S.A.

SIZES 28-46
Reg. $24.19
SALE **$19.19**

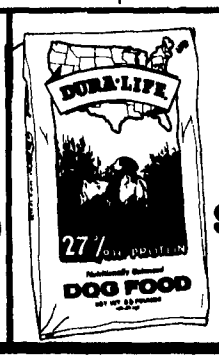
SIZES 48-50
Reg. $26.59
SALE **$21.59**



ANTI-FREEZE

Reg. $7.99
$5.99
SKU 17615

DOG FOOD

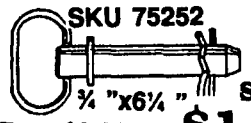


SKU 75010
50 Lb.
$11.99

SKU 75015
25 Lb.
$9.99

FORGED HITCH PIN

SKU 75252



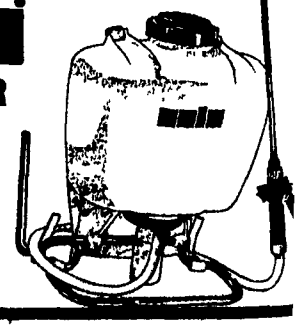
¾"x6¼" SALE
Reg. $3.59 **$1.79**

7/16" LINCH PIN

Reg. 39¢
SALE **15¢**

solo SPRAYER

Reg. $89.95
SALE
$74.95
SKU 52818



MUNCY CHIEF SEED PRICES

SEE US AT PENNSYLVANIA FARM SHOW

Exhibit Space 447, 448, 449
JANUARY 9 THRU 13, 1989
For service and more profit call toll free

IN PA 800-874-4803

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CONSIDER THE SAVINGS AT THESE PRICES $50.00 TO $70.00 PER 56 LB. BUSHEL AND $3.00 MORE OFF FOR PLATELESS. ALL PRICES BASED ON DELIVERY HERE IN THE NORTHEAST

MUNCY-CHIEF HYBRIDS

DESCRIPTIVE LITERATURE AREA RECOMMENDATIONS AND TECHNICAL INFORMATION BOOKLET

Not 1, Not 2, but nearly 300 bushel [illegible] Kerns, West Virginia, a National Champion with Muncy-Chief Hybrid SX777 — 265 Bu per acre

For More Profit, Sales or Service Call Dealer or Muncy-Chief Office

For ordering, service, or information
Phone Toll Free PA 1-800-874-4803
In Northeast U.S. (except Maine) 1-800-874-4805

(Maine & Other Points Call 1-717-546-5981)

MUNCY-CHIEF HYBRIDS, Inc.
Market & High Streets
Muncy, Pennsylvania 17756

SUPPLY SITUATION

HYBRIDS IN GOOD SUPPLY		HYBRIDS IN ADEQUATE SUPPLY		HYBRIDS IN SHORT SUPPLY		HYBRIDS IN VERY SHORT SUPPLY
XA804	XA788	SX777	XA777	SX560		OR
XA776	SX776	SX103	SX488	SX662		SOLD OUT
XA688	XA586	XA560 Except		XA660		SX552
XA490	SX390	Med Flats H207		H764		
3X898	3X676	Grain Chief Early		H306E		
SX220		Grain Chief Late				
H304		SiloChief Early				
H270		SiloChief Late				

Muncy-Chief XA788 Hybrid Corn 110-115 Days For Grain 100 Days For Silo

GROWERS SEED CORN
SPRING SEED GRAIN
FALL SEED GRAIN
ALFALFA
SWEET CORN
PREMIUM BALER TWINE

SPRING 1989 RETAIL PRICE LIST

For Delivery — Spring 1989

This Price List may be used as a convenient Order Form JANUARY 1, 1989

PRICE PER BU. 56 LBS. - DELIVERED PRICE E. OF MISSISSIPPI RIVER ADD $3.00 PER BU. OR $5.00 CWT FOR WEST OF MISSISSIPPI AND PARCEL POST, UPS, AND COMMERCIAL TRUCK DELIVERY

MUNCY-CHIEF SINGLE CROSS HYBRIDS

Circle Size Wanted	Days Silo	Days Grain	Bu. MF	Bu. MR	Plateless Bu. U or R
__ M-C XA804	105	115-120	70.00	68.00	67.00
__ M-C XA788	100	110-115	70.00	68.00	67.00
__ M-C SX777	100	110-115	70.00	68.00	67.00
__ M-C XA777	100	110-115	70.00	68.00	67.00
__ M-C SX776	100	110-115	70.00	68.00	67.00
__ M-C XA776	100	110-115	70.00	68.00	67.00
__ M-C XA688	95	100-105	70.00	68.00	67.00
__ M-C SX662	95	105-110	70.00	68.00	67.00
__ M-C SX660	95	105-110	70.00	68.00	67.00
__ M-C XA660	95	105-110	70.00	68.00	67.00
__ M-C XA588	90	100-105	70.00	68.00	67.00
__ M-C SX560	90	100-105	70.00	68.00	67.00
__ M-C XA560	90	100-105	70.00	68.00	67.00
__ M-C XA490	80	90-95	70.00	68.00	67.00
__ M-C SX390	75	85-90	70.00	68.00	67.00
__ M-C SX220	75	88-95	70.00	68.00	67.00
__ M-C SX103	75	80-85	70.00	68.00	67.00

MUNCY-CHIEF 3-WAY CROSS HYBRIDS

__ M-C 3X898	105	115-120	65.00	63.00	62.00
__ M-C 3X676	95	105-110	65.00	63.00	62.00

MUNCY-CHIEF DOUBLE CROSS HYBRIDS

__ M-C H764	105	115-120	60.00	58.00	57.00
__ M-C H304	80	90-95	60.00	58.00	57.00
__ M-C H270	75	88-93	60.00	58.00	57.00
__ M-C H207	75	85-90	60.00	58.00	57.00
__ M-C H206E	70	80-85	60.00	58.00	57.00

SILO CHIEF • GRAIN CHIEF • QUIC-KROP • LUCKY 7

__ Silo-Chief (Med-Late)	100-110	50.00	48.00	47.00
__ Silo-Chief (early-med)	85-100	50.00	48.00	47.00
__ Grain Chief (med-late)	105-115	50.00	48.00	47.00
__ Grain Chief (ea.-med)	90-100	50.00	48.00	47.00
__ Lucky 7 Test Plot (all 10 lb. bags)		70.00		
__ Quic-Krop H700 (For Green Chop or Clover Crop)				25.00

MUNCY-CHIEF SWEET CORN

	Price Per Pound Pkt.	Lb.	10	50
__ M-C Extra Sweet 72 (72 Days)	1.50	5.50	5.25	5.00
__ M-C Extra Sweet 80 (80 days)	1.50	5.50	5.25	5.00
__ M-C Extra Sweet 85 (85 days)	1.50	5.50	5.25	5.00
__ M-C Staysweet 87 (87 days)	1.50	5.75	5.50	5.25
__ M-C xtra Sweet Bi-Color 75	1.50	6.00	5.75	5.50
__ M-C Silver Queen 90 (90 days)	1.50	4.75	4.50	4.25

MUNCY CHIEF INDIAN CORN

	Pkt.	2 oz.	Pound
__ Varigated	1.50	4.50	25.00
__ Indian Popcorn	1.50	6.00	30.00

SEED OATS

	PER BUSHEL Not Treated	Treated
__ Certified Noble	6.50	6.75
__ Certified Ogle	6.50	6.75
__ Cover Crop Oats	6.00	6.25
__ Ledger Spring Barley	8.00	8.25

ALFALFA

	50 lb. Bag
__ Muncy-Chief H200	135.00
__ Muncy-Chief H300	135.00
__ Muncy-Chief Acclaim	135.00

Muncy-Chief Alfalfa

Muncy-Chief H200 and H300 Brand Alfalfa is winter hardy alfalfa suited to New York, Pennsylvania, New Jersey and the New England States.
Muncy-Chief H300 is adapted for all regions in the northeast and will give many years of productivity.
Muncy-Chief Acclaim is recommended for acres of central Pennsylvania south and Maryland, Delaware & Virginia.
Muncy-Chief Alfalfa contains excellent levels of resistance to the pest that rob growers in these regions of yield and stand persistance such as Phytophera root rot, Anthrancose Verticillium Wilt, Bacterial Wilt, and the Crown Rot complexes. Muncy-Chief high yielding alfalfa with an excellent leaf to fine stem ration will provide high yields and high quality forage to alfalfa growers and is persistant in long rotations.

SORGHUM SUDANGRASS HYBRID

	50 lb. Bag
__ Muncy-Chief Kow-Dan H202	21.50
__ Muncy-Chief Kow-Dan H205	22.00

HYBRID RESISTANT GRAIN SORGHUM

__ Muncy-Chief H7232	25.00

SOYBEANS

	Bu.
__ Certified Williams 82	12.00
__ Certified Amsoy 71	12.00

MUNCY-CHIEF PERMIUM BALER TWINE

circle payment date wanted	Dec. Pay	Jan.-Feb. Pay	Mar-Apr. Pay
__ M-C 9,000 Sisel	17.75	18.00	18.25
__ M-C 10,000 Sisel	17.75	18.00	18.25
__ M-C 7,200 Sisel	18.75	19.00	19.25
__ M-C 16,000 Sisel	18.75	19.00	19.25
__ M-C Plastic 9,000-10,000 - 16,000		MARKET PRICE	

Muncy-Chief prices are suggested prices and are subject to market changes. Suggest ask dealer for best prices on quantities of seed corn. Other seed you will need also baler twine and other supplies.

To Muncy-Chief Hybrids Inc., Muncy, Pa. 17756

Gentlemen: **Date**_____

Please enter our order for the above seed varieites.
Please ship prepaid on or about. Date_____
Name_____ Phone_____
P.O. Box _____ R.D. or St._____
Town_____ State_____ Zip_____
Send Direct_____ Or_____
To Dealer_____
Address_____

Clip And Mail, No Obligation

PRODUCT INFORMATION COUPON

The Proof Is In The Harvest 16 MM FREE USE FILM

☐ Please send Retail Price List
☐ Literature & Recommendations
☐ I am interested in a sales position with Muncy Chief Hybrids
☐ Film "The Proof is in the Harvest" Date Wanted
☐ I am interested in Dealership
☐ Wholesale price list, I am a Dealer

Name _____ Date _____
Street or RD_____ Phone _____
City or Town _____ County _____
If Student State & Zip _____
Parents Name _____ Corn Acres _____ Age _____
Acres Farmed _____

PLEASE CHECK BOXES

☐ Dairy Farmer ☐ General Farmer ☐ Corn Grower ☐ Student ☐ Advisor ☐ Seed Dealer
☐ Machinery Dealer ☐ Fertilizer Dealer ☐ Other _____
☐ I Am Interested In _____

Please Phone ☐ I Would Like Dealer Or Salesman Call About_____

MUNCY - CHIEF HYBRIDS MUNCY, PENNSYLVANIA 17756

FARM SHOW SPECIALS

Now Thru January 31, 1989

See All This Equipment On Display, Then Contact:
Jake or Lee At Lapp's... (717) 442-8134
Jonas or Levi At Walnut Barn & Dairy... (717) 527-2681

NEW 10-YEAR WARRANTY

The time has never been better to go with the best barn cleaner chain available . . . Jamesway chain. We're passing along special factory discounts to our customers for Jamesway® Quality Hook-Link™ and flat-link chain. Both links are total forged of rugged, high carbon steel to reduce wear and extend working life. And, Jamesway chain is now backed by a 10-year warranty.

NEED A NEW DRIVE UNIT?
Buy the best . . . a Jamesway. Choice of economical Super 300 or the Super 500 and Super 750 spur gear drive. All three drives combine the performance that fits your cleaning needs at a cost-effective price. Ask us about the one that is right for your operation.

HOOK-LINK CHAIN
You get strength where it counts in the easy tightening Hook-Link Chain. Each link is totally forged with extra steel at wear points and hardened for extra strength and dependable cleaning performance.

Hook-Link Chain NOW Has ¼ " Thick Flights

CALL TODAY FOR INFORMATION

Special Prices Effective Through January 31, 1989

FLAT LINK CHAIN
The rugged Jamesway forged link chain features 65,000-lb. tensile strength, double swagged connector link pins and 5/16 in. thick flat bar connector links. Links are reversible for long years of service.

Flat Link Chain NOW Has ¼ " Thick Flights

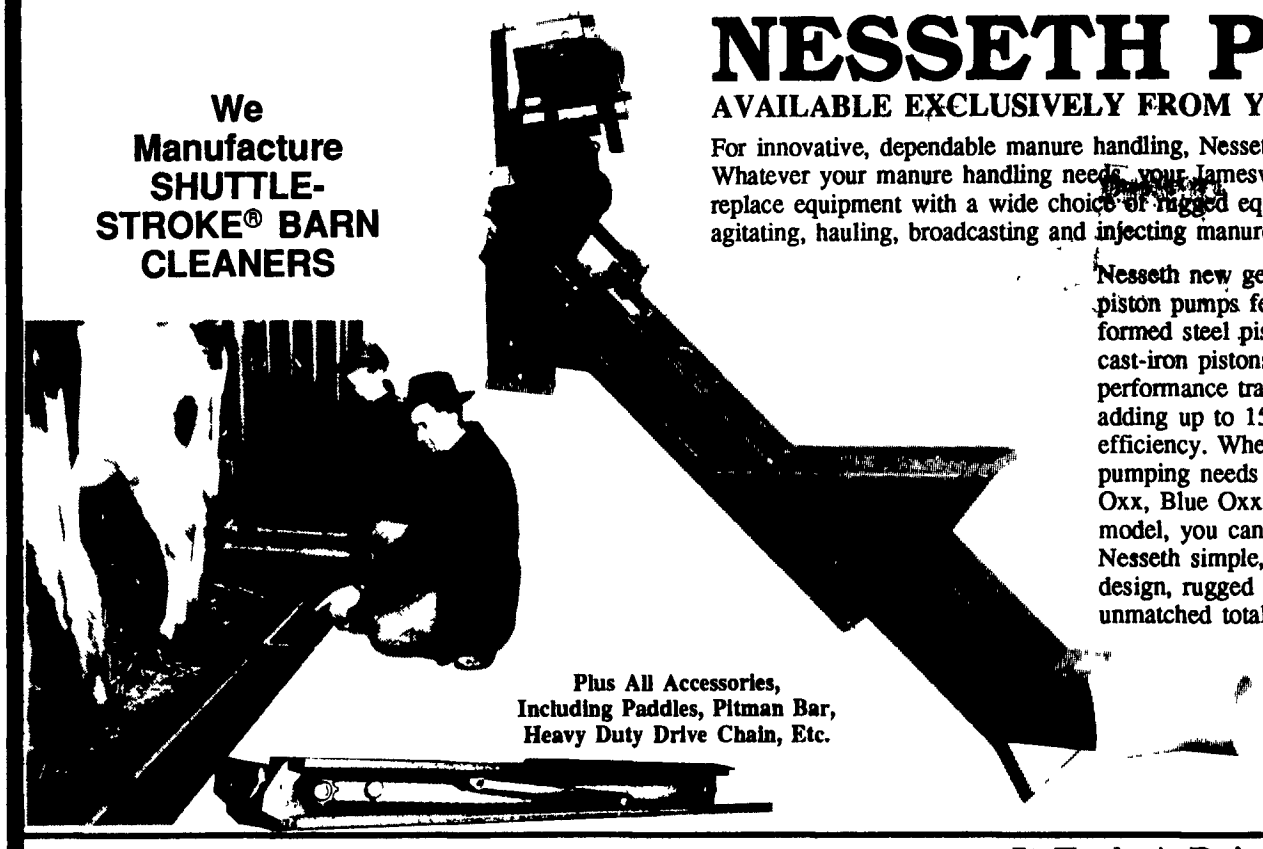
NOTHING MOVES MANURE BETTER THAN

NESSETH PUMPS

AVAILABLE EXCLUSIVELY FROM YOUR JAMESWAY® DEALER

For innovative, dependable manure handling, Nesseth® equipment from Jamesway can't be beat. Whatever your manure handling needs, your Jamesway dealer can help plan a new system or replace equipment with a wide choice of rugged equipment for collecting, delivering, pumping, agitating, hauling, broadcasting and injecting manure.

We Manufacture SHUTTLE-STROKE® BARN CLEANERS



Plus All Accessories, Including Paddles, Pitman Bar, Heavy Duty Drive Chain, Etc.

Nesseth new generation Oxx™ piston pumps feature removable, formed steel piston chambers, cast-iron pistons and new higher performance transmission... adding up to 15% more overall efficiency. Whether your manure pumping needs call for a Li'l Oxx, Blue Oxx or Super Oxx model, you can depend on the Nesseth simple, trouble-free design, rugged construction and unmatched total performance.

Nesseth stationary or portable shredder pumps provide high volume agitation and pumping of manure for systems with collection pits. The impeller literally shreds solids and bedding, blasting the resultant slurry through a PVC pipe into storage.

THE ANSWER TO LOW-LABOR MULTIPLE FEEDING WAS RIGHT UNDER OUR NOSES ALL THE TIME... AND IT ISN'T COMPUTERIZED!

It Took A Dairyman To Invent Such A Perfect Feeder.

GRAIN BRAIN MULTIFEEDER BY STARLINE

We call this exciting new Starline® feeder, "Grain Brain"™ because it "thinks for itself." Here's how it works: When you do your regular feeding, you also fill your "Grain Brain"™ multifeeders. Grain Brain™ does the rest. At the time you have preset into Grain Brain™ the multi-feeders drop feed for each cow's next feeding. That means you go from two or three-time to four or six-time per-day feeding *with no extra labor!*

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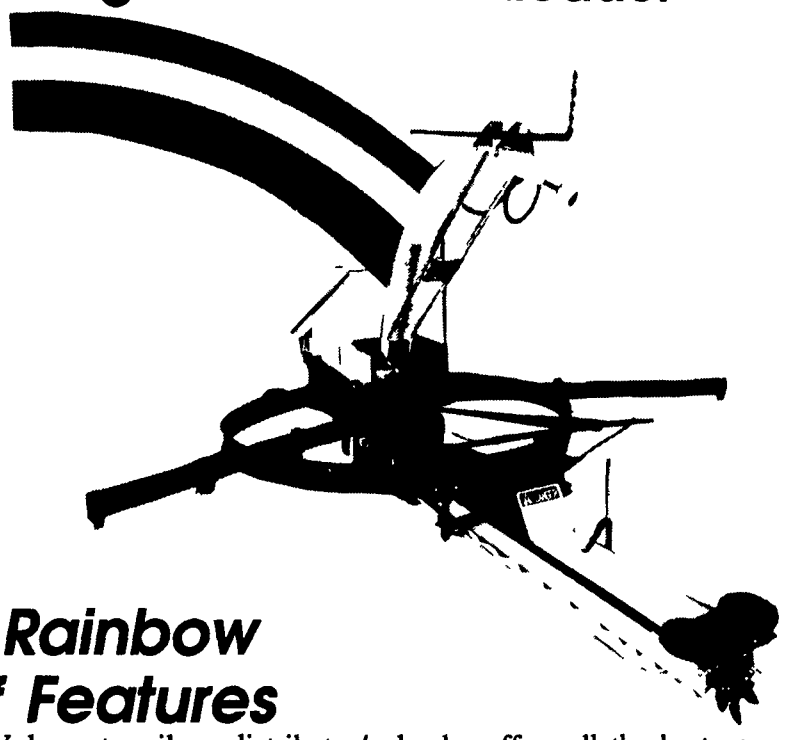

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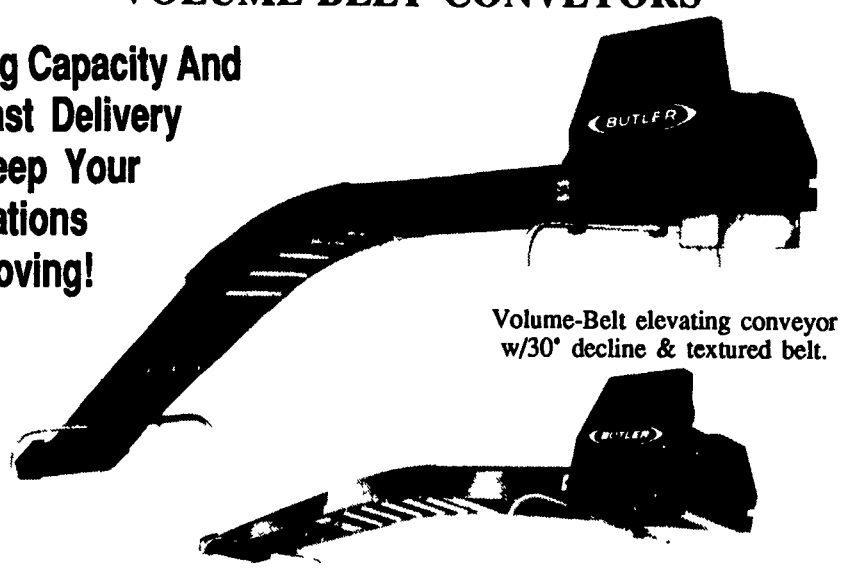

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Volume-Belt conveyor w/decline & standard belt.

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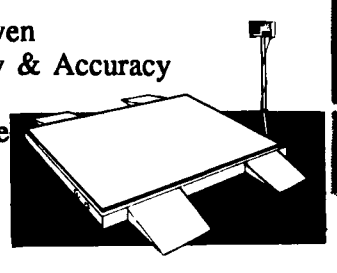

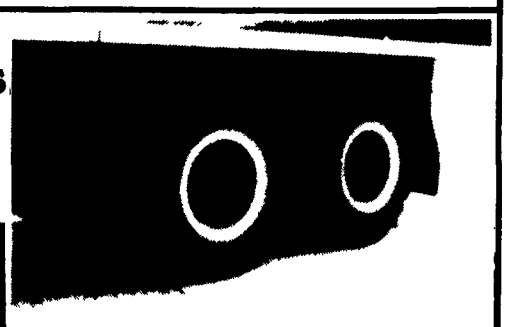

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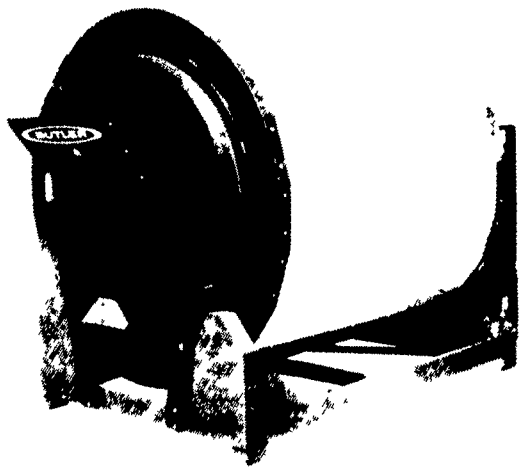

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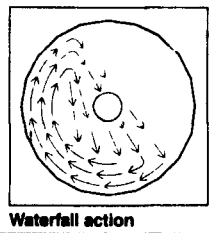

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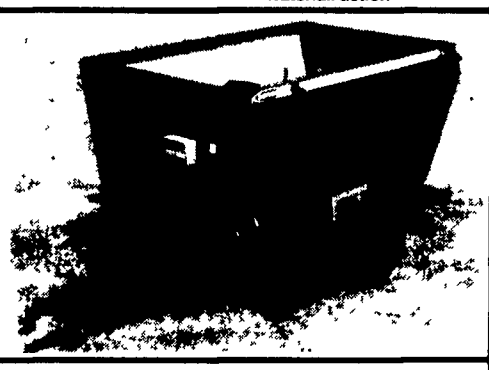

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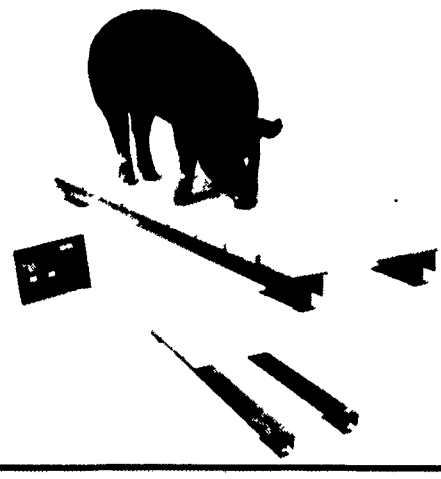

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Pennsylvania Applauds Its Outstanding FFA'ers

BY LISA RISSER

EPHRATA (Lancaster) — Nearly 200 FFA'ers will receive the Keystone Farmer degree next week during the 60th Annual Mid-Winter Convention. The degree is the highest state award to be given to high school FFA members. The convention is held in conjunction with the Pennsylvania Farm Show in Harrisburg.

Regional star agribusinessmen and star farmers also will be recognized. The star agribusinessmen are Tod M. Clark, Tioga County, North Central Region; Richard R. Deist, Somerset County, Western Region; John R. Hess, Adams County, South Central Region; Shaun C. Martin, Lebanon County, Eastern Region.

The regional star farmers are Benjamin T. Elkin Jr., Indiana County, Western Region; John W. Rishel, Union County, North Central Region; Kirk M. Sattazahn, Berks County, Eastern Region; Troy A. Waggoner, Cumberland County, South Central Region.

Special awards also will be presented. Larry B. Feeser Jr., member of the Conewago FFA chapter, will receive the 1989 Pork Producers Award; Lona J. Rader, member of the Butler County AVTS FFA chapter, will receive the 1989 Aryshire Breeders Award; and Brenda K. Dice member of the Northern Lebanon FFA chapter, will receive the 1989 Jersey Breeders Association Award.

The 1988 proficiency award winners also will be recognized at the convention. They are Mark R. Anderson, fruit and/or vegetable production, Dover chapter; Irene Benner, dairy production, Greenwood chapter; Art Briggs, placement in ag production, Warriors Mark chapter; John D. Brofee, poultry production, Greenwood chapter; Kim Brossman, horse proficiency, Twin Valley chapter; Doug Byers, nursery operation, Derry Area chapter; Todd Cauffman, swine production, Greenwood chapter; Jodi Hall, ag sales and/or service, State College chapter; Eric Harnish, oil crop production, Little Dutchmen; Leon W. Heisey, agricultural mechanics, Manheim Central chapter; John Hess, prepared public speaking, Manheim chapter; Lewis Hilbert, beef production, Littlestown chapter; Kimberly A. Hopple, sheep production, Cumberland Valley chapter; Alan C. Kaler, forage production, Mifflinburg chapter; Ann Kline, floriculture, Twin Valley chapter; Phillip R. Martz Jr., cereal grain production, Berlin chapter; Brian Miller, electrification, Elizabethtown chapter; Michael L. Peters, wildlife management, Cloister chapter; Matteus Polski, extemporaneous public speaking, Millerstown chapter; Tobin Shank, specialty crop, Manor chapter; Kevin Stoltzfus, ag processing, Twin Valley chapter; Jonathan Wade, feed grain production, Mifflinburg chapter; Dave M. Wolfskill, specialty animal, Conrad Weiser chapter.

Also honored at the convention will be parents having three or more sons or daughters who have received the Keystone Farmer degree. They include Mr. and Mrs. Harold M. Barley Jr., Mary and Glenn Fetrow, Betty and Rex Heeter, Mr. and Mrs. James Hemminger, Mr. and Mrs. Robert Hershberger, Mr. and Mrs. Richard Houser, Mr. and Mrs. Clair McNutt, Lois and Harvey Ocker, Mr. and Mrs. William E. Shiderly, Mr. and Mrs. Harvey W. Stoltzfus, Mr. and Mrs. J. Wilmer Stoltzfus, and Mr. and Mrs. Allan Zimmerman.

The following people will receive honorary Keystone Farmer degrees. They must have been involved with FFA for at least 10 years and have been recommended by two vo-ag teachers from different chapters. This year's recipients are Ken Ballet, sawmill-forestry operator; Dr. Sidney E. Barnard, professor of dairy science, extension service; John W. Clemens, president of Hatfield Meat Packing Co.; Thomas A. Harpst, director of guidance; Betty Herr, past president of the FFA Foundation; Dr. Larry Hutchinson, professor of veterinary medicine; Dr. Herbert Jordan, professor of poultry science; Ray Long, auctioneer; Donale Mincemoyer, instructor of ag and extension education; Dr. Larry Muller, professor of dairy science; Clifford L. Ruland, principal of Wellsboro High School; Mike Schmit, education information specialist at Pennsylvania Game Commission; Steve B. Spencer, professor of dairy extension; Judy Tewell, secretary at West Greene High School.

Lancaster Farming would like to congratulate this year's outstanding FFA'ers. A brief biographical sketch and photograph of the Keystone Farmer degree recipients follows. Those recipients who did not send in their information to *Lancaster Farming* for publication include Robert O. Bailey, Mike Brookhart, Barry L. Burkholder, Joe Coldsmith, Leo J. Cornell, Keith England, Howard E. Fowler, Ralph S. Grimes, Brian Heeter, James A. Houser, Vernon D. Hufford, Bryan Ickes, Christopher M. Kalie, Shawn M. Kaurudar, Douglas Keller, Patty Kessler, Juliann K. Kulp, Chad Leppert, Dennis Musser, Douglas D. Myers, Bryan Nowacki, Kelly O'Connell, William J. Ritchey, Daniel E. Vargason, and Todd Wright.

George Anderson III

George Anderson III has been involved on the Blackhawk FFA Chapter's demonstration team, attended a leadership conference, and worked on the Food for America committee.

The 17-year-old son of George and Beverly Anderson of Darlington, Anderson has served his chapter as sentinel and president. He has received the Greenhand and Chapter Farmer degrees as well as a proficiency award in beef finishing.

Anderson is a member of 4-H livestock judging team and plants club and the Blackhawk High School's band and jazz band. He is interested in restoring old tractors and working on the farm. After graduation he plans to become a jet mechanic or a vo-ag teacher.

(Turn to Page D5)

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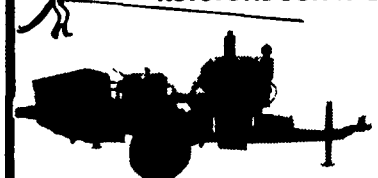

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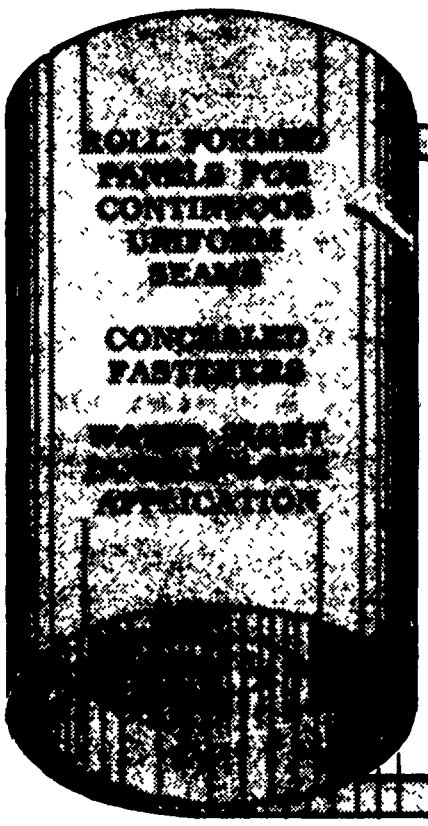

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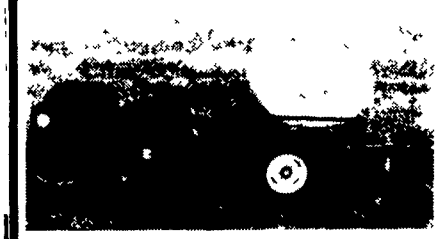

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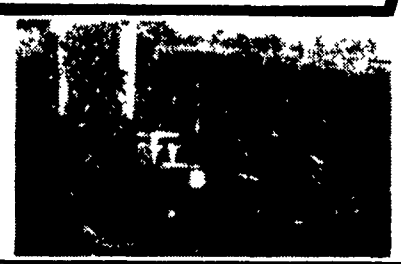

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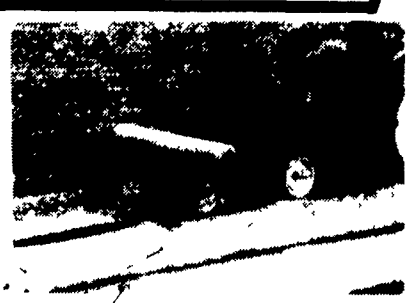

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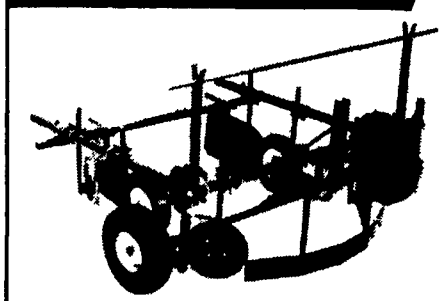

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Pennsylvania Applauds

(Continued from Page D4)

Joe Andrew

Beef finishing, corn, and soybean production, and forage are the projects in which Joe Andrew of Espyville has been involved.

The 18-year-old son of James and Linda Andrew, Andrew has served the Linesville FFA chapter as chaplain and vice president and worked on the cider and wood-cutting committees. He has earned the Greenhand, Chapter Farmer, and County Farmer degrees and placed third in the creed speaking contest.

Andrew has attended the PAFC One-Day Institute and the UPJ Leadership Conference. He is interested in working on trucks and tractors and plans to attend college after graduation from high school and major in an agricultural field.

Michelle Arment

The 17-year-old daughter of Amos and Sally Arment of East Earl, Michelle Arment has served the Grassland FFA chapter as vice president and student advisor and has worked on the scholarship and BOAC committees and chaired the community service and executive committees.

Arment has had projects in market lambs and work experience at Shady Maple Farm Market. She earned the Greenhand, Chapter Farmer and Red Rose degrees and received the Star Agribusinessman award as well as proficiency awards in prepared public speaking and horse. She has participated in livestock judging on the local level as well as at the Keystone International Livestock Exhibition.

A member of the Garden Spot High School's Library Aid and Ecology clubs, Arment has attended Penn State's activities, winning an honorable mention in livestock judging in 1987 and second place as a member of the chapter's parliamentary procedure team. She attended the American Institute of Cooperation and was a delegate to the national FFA convention this year.

Arment is a member of her church's youth group and enjoys camping and reading. After graduation from high school, she plans to become involved in agricultural broadcasting.

Shawn Arndt

Shawn Arndt, the 17-year-old son of Bill and Karen Arndt of Schuykill Haven, has earned the Greenhand and Chapter Farmer degrees and has served the Blue Mountain FFA chapter as reporter.

Arndt has had projects in carpentry, landscaping, and engine repair. In addition, he has work experience in heating and plumbing. He enjoys hunting, reading, and motorcycling and is a member of the Blue Mountain High School wrestling team. After graduation he hopes to work in plumbing and heating.

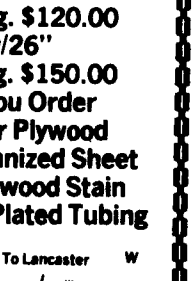
James Baney Jr.

The recipient of he Greenhand, Chapter Farmer, and Sun Area degrees, James Baney Jr. also has received proficiency awards in fish and wildlife and home improvement and won the Selinsgrove FFA chapter's conservation and Sun Area mechanics contests.

Baney, the 18-year-old son of Mr. and Mrs. James D. Baney of Selinsgrove, has served his chapter as chaplain and the Sun Area as FFA president. He has had projects in home, garden, and off-farm work experience. He worked on the small animal chain, banquet, Food for America and exhibit committees.

Interested in hunting, fishing, and garden-tractor pulling, Baney is a member of FHA and the Boys Brigade. He participated in his church's youth group's Envirothon competition. After graduation he plans to pursue a career in conservation and farm on a part-time basis.

Harold Barley III



Harold Barley III has served the Manor FFA chapter as chaplain, executive vice president, and is currently chapter president. He is the 18-year-old son of Mr. and Mrs. Harold Barley Jr. of Millersville.

Barley has shown steers, raised tobacco, and worked on his father's farm. He has chaired committees such as wood cutting,

(Turn to Page D6)

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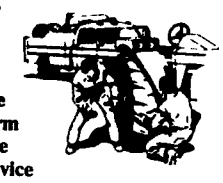

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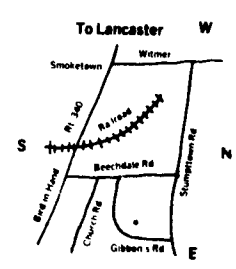

Pennsylvania Applauds

(Continued from Page D5)

banquet, and fair. In 1986 and '87 he placed first in county tractor driving; in addition he has placed seventh in the county land judging contest and won a bronze metal for livestock showmanship at nationals.

Greenhand, Chapter Farmer, and Red Rose are the degrees Barley has earned, and he has received the Star Chapter Farmer award. He is on his church's building committee and enjoys hunting, working on equipment, snowmobiling, and auctioneering.

After graduation, Barley plans to go into partnership with his father's farming operation, which consists of 2,500 acres and waste management for 2,000,000 chickens and 30,000 hogs.

Rebecca L. Barley

The 17-year-old daughter of Henry and Marsha Barley of Lancaster, Rebecca L. Barley has had projects in hogs, sweet corn, and tobacco. She was the secretary for the Manor FFA chapter for two years and worked on committees such as Ag in the Classroom, chapter rating, and banquet yearbook.

Barley has earned the Greenhand, Chapter Farmer, and Red Rose degrees and competed in poultry meat and creed speaking contests. She is a member of Penn Manor High School varsity field hockey and gymnastics teams. In addition, she is the 88-89 alternate Lancaster County Poultry Queen.

Interested in snowmobiling and baking, Barley plans to attend Penn State after graduation to study horticulture.

Tom Barley

Tom Barley has served the Manor FFA chapter as executive secretary and vice president. He also has worked on BOAC and banquet committees.

The 17-year-old son of John E. and Jane R. Barley of Conestoga, Barley has had projects in steers and dairy heifers and has earned the Greenhand, Chapter Farmer, and Red Rose degrees.

Barley is a member of the Penn Manor High School wrestling and soccer teams as well as the varsity club. In addition, he is a 4-H'er. After graduation he plans to attend college to major in dairy production.

Scott Barnett

A fourth-year member of the Manor FFA chapter, Scott Barnett has served as the sentinel for the chapter and represented it as a delegate to the PAFC Conference.

Barnett, the 17-year-old son of Charles and Mary Ann Barnett of Washington Boro, has raised capons and hogs as well as worked for Funk Brothers. He has earned the Greenhand, Chapter Farmer, and Red Rose degrees.

A member of the Penn Manor High School football and baseball teams, Barnett will attend a college and major in an agricultural field.

Herb Barrett

The 18-year-old son of Donald and Juanita Barrett of Columbia Crossroads, Herb Barrett has had projects in lamb, goat, and chicken production and work experience on a dairy farm.

Barrett has worked on the budget and program of work committees and earned the Greenhand, Chapter Farmer and County Farmer degrees. He also has won first place for project books in work experience for two years. In his spare time, Barrett hunts, fishes, and raises animals. Upon graduation, he hopes to join the armed services and eventually purchase a dairy farm.

(Turn to Page D8)

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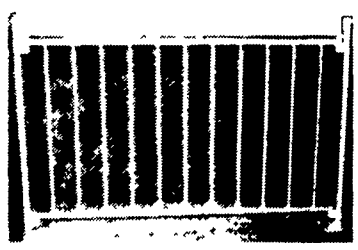

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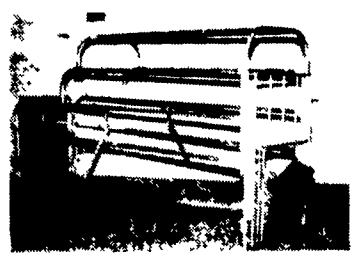

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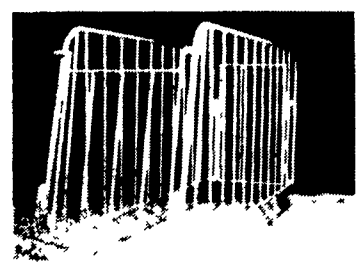

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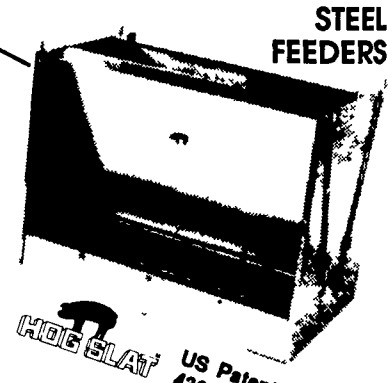

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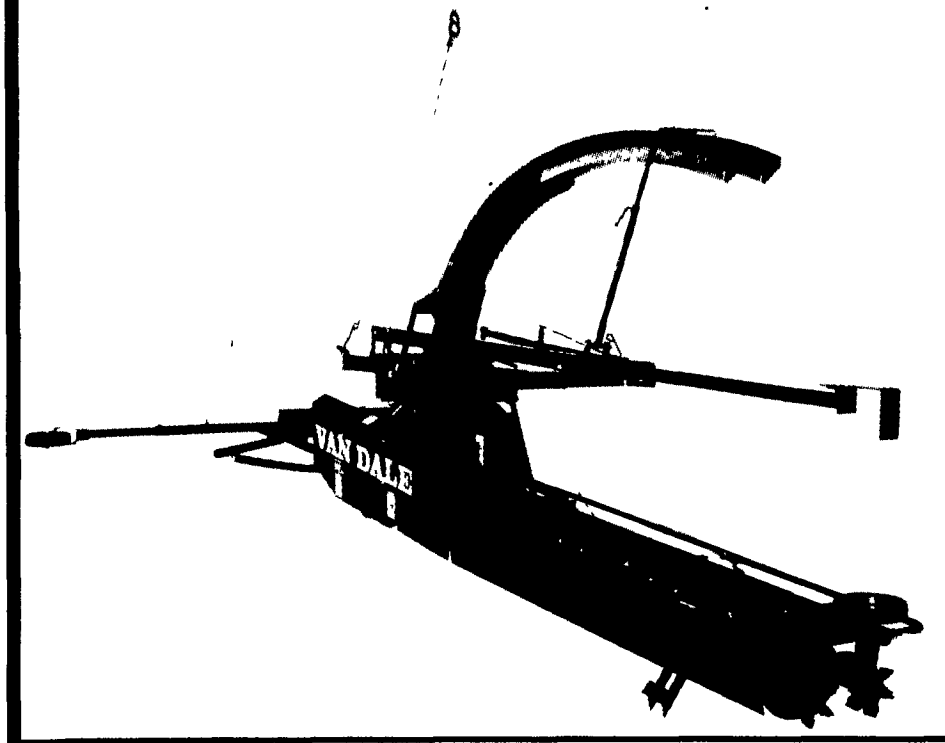

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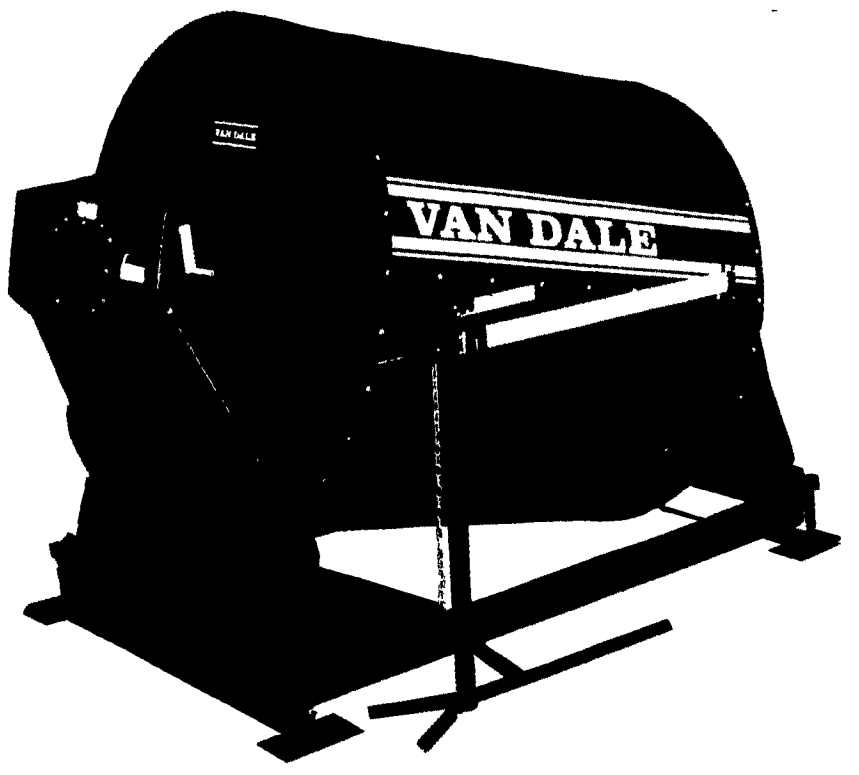

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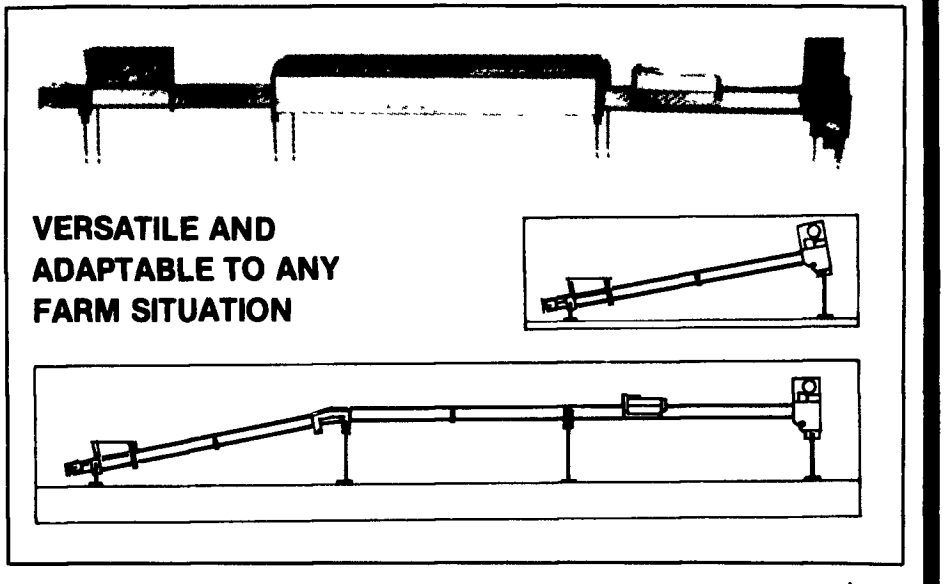

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Pennsylvania Applauds

(Continued from Page D8)

Todd A. Best

Todd A. Best has earned the Greenhand, Chapter Farmer, and Red Rose degrees. He has has projects in dairy and crop production.

The 18-year-old son of Mr. and Mrs. Robert C. Best, he has worked on the banquet, public relations, and savings and investment committees.

After graduation from high school, Best plans to work in the agricultural field.

Mark Betts

The 18-year-old son of David and Donna Betts of Danville, Mark Betts is a third-year member of the Danville FFA Chapter. He has served on the banquet and farm committees, participated on the livestock judging team, and worked as a deliverman for Bird's Florist.

Betts was the president of his chapter as well as BOAC chairman. In addition, he earned the Greenhand and Chapter Farmer degrees. His plans for the future include working on his grandfather's farm and for Bird's Florist. Betts enjoys hunting, boating, and fishing.

Kathy A. Blatt

Market hogs, bred gilts, dairy heifer, corn, and market steers are the projects in which Kathy A. Blatt has been involved in FFA. The 17-year-old daughter of Jay and Janet Blatt of Annville, Blatt has received awards for beef and swine production as well as in record keeping.

Blatt has served the Northern Lebanon FFA chapter as parlimentarian, historian, chaplain, and secretary. In addition she has worked on the banquet and farm tour committees. She earned the Star Greenhand and Star Chapter Farmer awards.

A member of the Lebanon County 4-H Livestock Club, Blatt is interested in roller skating and volleyball. After graduation she plans to work in the agricultural field.

Randall L. Bleacher

Tobacco and work experience are the projects on which Randall L. Bleacher of Millersville has worked. The 18-year-old son of Mr. and Mrs. H. Kenneth Bleacher, he placed second in poultry judging at Penn State and earned a silver medal at the national contest.

Bleacher served the Manor FFA chapter as treasurer and chairman of the T-shirt drive committee. He worked on the banquet, ticket, finance, and wood cutting committees as well.

He has earned the Greenhand and Chapter Farmer degrees and received the specialty crop production award. Bleacher plays volleyball with Stehman's United Methodist Church and is a member of the National Honor Society and the Highville Fire Company.

Bleacher is interested in hunting, fishing, and restoring tractors. After graduation he plans to farm in partnership with his father.

C. Rodney Bomgardner

C. Rodney Bomgardner has served the Little Dutchmen FFA chapter as assistant treasurer and vice president. In addition, he has worked on the bologna committee and attended the Washington D.C. Leadership Training Conference.

The 18-year-old son of Mr. and Mrs. Charles Bomgardner of Annville, Bomgardner has had projects in beef and swine as well as market hogs. He is a member of the Annville-Cleona High School's football, wrestling, track, and baseball teams.

Bomgardner has earned the Greenhand, Chapter Farmer and County Farmer degrees and participated in meat, livestock, and land judging, and parliamentary procedures contests. He collects tractors and after graduation plans to work in agriculture.

Michael A. Botts

The 17-year-old son of Sarah J. Botts of Lewisburg, Michael A. Botts has earned the Greenhand, Chapter Farmer, and Area Farmer degrees. In addition, he has received two oil-crop production awards as well as awards for his project book.

Botts has had projects in wheat, soybeans, swine finishing, oats, and corn. He has served the Mifflinburg FFA chapter as assistant sentinnel, reporter and president and worked on committees such as chicken bar-b-que, points, citrus, dues, public relations, and exhibits and demonstrations.

He was on the Mifflinburg Area High School football and wrestling teams and is interested in hunting, fishing, biking, and farming. Upon graduation he plans to either join the U.S. Air Force as a military policeman and then become a state policeman or go into farming.

Donald S. Bouch

The 17-year-old son of Ronald and Joan Bouch of Burnside, Donald S. Bouch placed second at the Indiana County Fair dairy judging competition and received the forestry management award from the Purchase Line FFA chapter.

Bouch has served his chapter as parliamentarian and vice president and worked on committees such as Greenhand initiation, citrus, Children's Hospital, candy sales, and donut auction. His projects include forestry and crops.

Interested in car shows and working on old cars and engines, Bouch plans to attend college after graduation and major in health services.

Jeffrey L. Buch

Jeffrey L. Buch has earned the Chapter Farmer and Red Rose degrees and received a proficiency award for agricultural sales and services. He has served the Cloister FFA chapter as treasurer and worked on the recreation committee.

The 19-year-old son of Richard and Kathy Buch of Akron, Buch has had projects in rabbits and landscaping. He is interested in hunting, ice hockey, baseball, fishing, and hiking. After graduation he hopes to own and operate a landscaping business.

William Burba

The 17-year-old son of Walter and Nancy Burba of Glen Campbell, William Burba has served the Purchase Line FFA chapter as president, vice president, and reporter. He also has served on committees such as Children's Hospital, FFA demonstration, citrus, scrapbook, and contest.

Burba has had projects in home garden, chickens, and on-farm work experience. He earned the Greenhand and Chapter and Indiana County Farmer degrees. He served the county as FFA reporter and vice president.

Interested in collecting baseball cards,

(Turn to Page D10)

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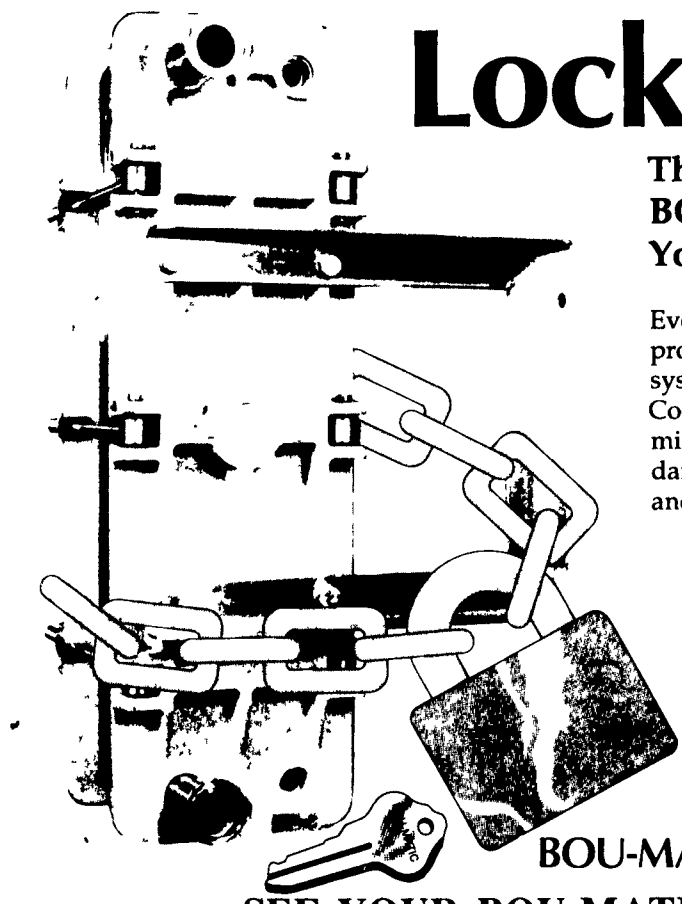

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Pennsylvania Applauds

(Continued from Page D8)

fishing, playing baseball, and riding 10-speed bicycles, Burba plans on attending Penn State to become an ag teacher.

James Byler

Raising dairy calves, heifers, and cows is the FFA project in which James Byler has been involved. He has served on the donkey basketball and fruit sales committees.

Byler, the 19-year-old son of Mr. and Mrs. Jefferson Byler of Petersburg, has received the DeKalb Award for being the outstanding senior in vo-ag. He served on the parliamentary procedure team for three years and was a member of the first-place dairy judging team at the 1987 All American Dairy Show.

Upon graduation Byler plans to continue farming with his father.

David Charles

A fourth-year member of Manor FFA chapter, David Charles has worked on the BOAC and banquet committees. He has earned the Greenhand and Chapter Farmer degrees.

Charles, the 17-year-old son of Larry and Shirley Charles of Lancaster, has six dairy heifers, four veal calves, and two acres of tobacco. He has served as a member of the Lampeter Fair set-up committee.

Interested in hunting and riding four wheelers, Charles plans to continue working on his father's farm hoping some day to own it or another farm.

Denny Charron

A fourth-year member of the Twin Valley FFA chapter, Denny Charron has participated on the BOAC Christmas tree programs, TelHai nature trail project, and tree planting for the Pennsylvania Game Commission. He has attended Ag Day Breakfast and the PEEC Leadership Conference.

The 18-year-old son of Chris and Dennis Charron of Honey Brook, Charron placed first in the SOE project book contest, second in the county forestry contest, and ninth and 15th in state forestry contests. He also earned the Berks County Farmer degree.

Charron was a member of the track team and is interested in fishing and riding motorcycles. After graduation he plans to join the United States Air Force to learn to be an electrician.

Kristin Chupp

The 17-year-old daughter of Larry and Barb Weaver of New Holland, Kristin Chupp is a third-year member of the Grassland FFA chapter. She has served her chapter as president, second student advisor, second sentinel, and reporter. In addition, she is the Lancaster County FFA president.

Chupp has earned the Star Greenhand, Star Chapter Farmer, and Star Red Rose awards. She has attended the Penn State Governor's School of Agriculture and won numerous public speaking awards. She participated in the Keystone International Livestock Exhibition livestock judging competition, served as president on the second-place parliamentary procedures team in the state contest, and was a delegate to the national FFA convention this year.

Market lambs, steers, heifer, cow, and horse are the projects in which Chupp has been involved. She has chaired the leadership, scholarship, float, public relations, and state and national committees.

Chupp is a 4-H'er, serving her club as president, vice president, and secretary. In addition she belongs to the Garden Spot High School's marching band, concert band, orchestra, and National Honor Society.

Interested in showing animals, Chupp hopes to enter the pre-veterinary medicine program at Penn State after graduation.

Tod M. Clark

The 18-year-old son of Michael and Charlene Clark of Cowanesque, Tod M. Clark has participated in dairy and livestock judging; ag-mechanics, parliamentary procedure, and record-keeping contests; and the Alfred State shop skills contest.

Clark has attended the state and national FFA conventions and been named a Regional Star Agribusinessman. He served the Cowanesque FFA chapter as reporter and received the placement in ag-production award and was his chapter's Star Agribusinessman.

Interested in hunting, fishing, trapping, building engines, snowmobiling, and four-wheeling, Clark plans to enter the Army and learn communications and electronics.

Timothy L. Clouser

Timothy L. Clouser, the 18-year-old son of Kenneth and Eleanor Clouser of Madisonburg, has served the Penns Valley FFA chapter as treasurer and president. In addition, he has worked on the Division VI committee and chaired the conduct of meetings committee.

Clouser has earned the Greenhand and Chapter Farmer degrees and has had projects in dairy calf and cow, corn silage, oats, and work experience on a sawmill operation. Interested in hunting and riding all-terrain vehicles, Clouser hopes to run his own sawmill operation after graduation from high school.

Larry Coole

Larry Coole, a member of the Spud Growers FFA Chapter, is the 17-year-old son of Mr. and Mrs. Larry Coole. He has been involved in BOAC, safety projects, fruit sales, hanging basket sales, and flagstone production.

Coole has served his chapter as reporter and president. After he graduates he plans to attend college and major in an agricultural-related subject. He enjoys hunting, fishing, and four-wheeling.

Angela A. Cooper

The reporter of the Kennard-Dale FFA chapter, Angela A. Cooper also was reporter for the county FFA organization last year. She further has served her chapter by chairing the public relations committee and assisting the chairman of the cooperation committee.

Cooper, the 17-year-old daughter of Ramsay and Veda Cooper of Delta, has earned the Greenhand, Chapter Farmer, and White Rose degrees. She has had projects in dairy herd, winter barley, field corn, and work experience.

Interested in sports, Cooper is a member of the Kennard-Dale High School's cross country, track, and field hockey teams. She also is a member of the school's medical careers club, marching band and orchestra. In addition she is a member of the Slateville Presbyterian Church and Slateville Youth Group. After graduation she plans to attend a four-year college and become a Pennsylvania state police officer.

Duane S. Copenhaver

The 18-year-old son of Mark and Alice Copenhaver of Lebanon, Duane S. Copenhaver has received the Greenhand, Chapter Farmer, and County Farmer degrees in addition to the Star Greenhand award.

Copenhaver has served the Little Dutchmen FFA chapter as reporter and president and was president of the Lebanon County FFA group. He worked on the field and public relations committees and had projects in dairy herd and sweet corn. He competed in the All American Dairy Judging contest last year.

Interested in hunting, trapping, and photography, Copenhaver belongs to the Annville Cleona High School chorus and National Honor Society. After graduation he plans to become a dairy farmer.

Michael S. Cotter

The 17-year-old son of Carl and Mary Ann Cotter of Berlin, Michael S. Cotter is serving the Brothersvalley FFA chapter as second vice president. Prior to this he was secretary.

As his work experience project, Cotter assists his father in loading and transporting bulk milk and performs preventative maintenance on the milk trucks. He has earned the Greenhand and Chapter Farmer degrees.

Cotter has chaired the banquet reception and educational trip committees and worked on the following committees: barbeque, calendar, FFA sports, vocational dance, general banquet, Food for America, parliamentary procedures, BOAC, and public relations.

He enjoys building model cars and trucks as well as camping. After graduation he hopes to take over his father's milk-transportation business and work at keeping farmers' hauling prices down.

Gary Crills

A fourth-year member of the Ephrata Cloister FFA chapter, Gary Crills has showed sheep for five years, swine for two years, and steers for two years. He has served his chapter as sentinel and earned the Greenhand, Chapter Farmer, and Red Rose degrees.

The 18-year-old son of Harvey and Anna Mary Crills of Ephrata, Crills received the Star Greenhand, Star Chapter Farmer, and Star Red Rose awards. He also received proficiency awards for sheep and beef production. Crills enjoys hunting and sports cars. Upon graduation he plans to live and work on a hog and steer farm.

Michael G. Daugherty

A fourth-year member of the Conococheague FFA chapter, Michael G. Daugherty has showed animals at the Southcentral Dairy Show, the Pennsylvania Junior Dairy Show, and the Franklin County Fair. In addition, he was on the FFA judging team at the farm All American Week and judged at the county fair.

Daugherty has had projects in dairy herd, swine finishing, alfalfa, and field

(Turn to Page D12)

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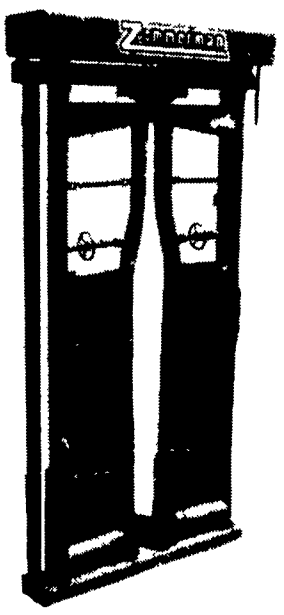

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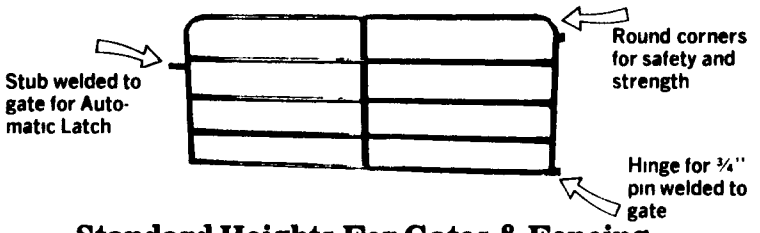

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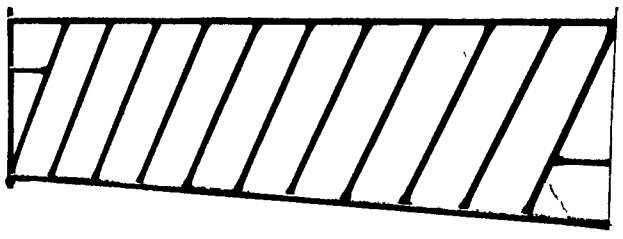

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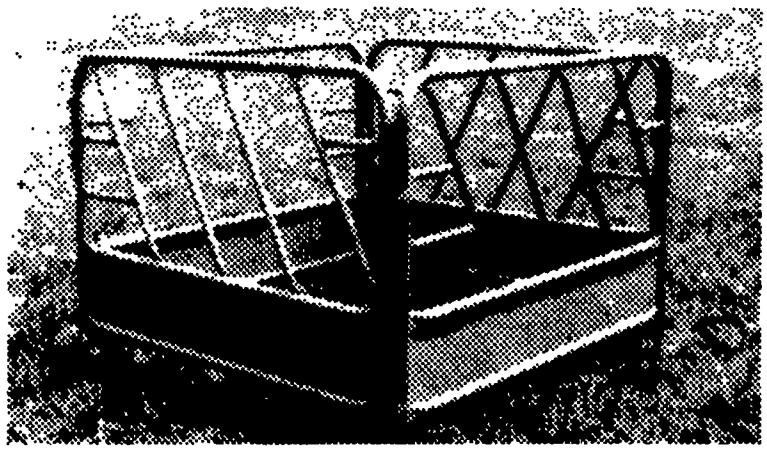

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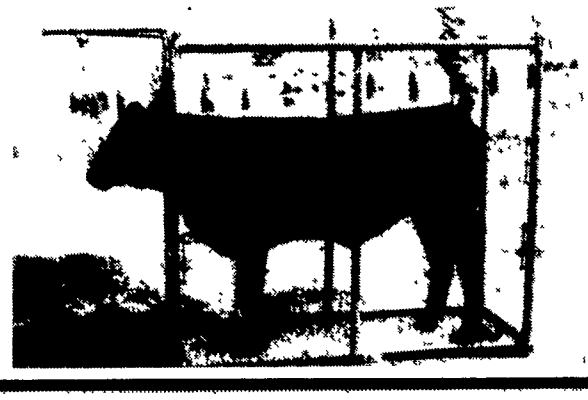

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Pennsylvania Applauds

(Continued from Page D10)

corn. He earned the Chapter and County Farmer degrees as well as the Star Greenhand award and proficiency awards in dairy, swine, and field crop alfalfa. He participated in the county and state project book contests and was the breeder champion at the Southcentral Dairy Show.

The 18-year-old son of Glenn and Delores Daugherty of Greencastle, Daugherty is a member of the 4-H dairy club, Franklin County Junior Holstein Club, 4-H County Council and 4-H judging team. He has shown at the Pennsylvania Junior dairy Show for 4-H, coming away with the junior calf in 1987 and the intermediate yearling in 1988. He is a 4-H project book winner and participated in the 4-H dairy bowl. In addition, Daugherty has competed in fitting and showmanship contests, helped lead cattle for the Franklin County Judging School, and had the state Junior Holstein Milk & Fat winner in 1987.

Daugherty is interested in sports, showing and judging cattle, and watching dairy shows. Upon graduation from high school, he plans to go into partnership with his father and own and operate the family dairy farm.

Christine Davidson

Christine Davidson is an active member of the Shippensburg FFA Chapter and has served it as president, treasurer, and reporter.

The 17-year-old daughter of Robert and Brenda Davidson of Shippensburg, she has participated in a pie eating contest for community social hall campaign, dairy and livestock judging, and other contests such as junior dairyman's, creed speaking, extemporaneous speaking, and parliamentary procedure. In addition she has been involved with the banquet and recreation committees and been a delegate for the Pennsylvania Association of Farmer Cooperatives and the American Institute of Cooperation.

Davidson has earned the Greenhand, Chapter, and CDP Area degrees; the Star Greenhand and Ag Scholar awards; gold medals in extemporaneous and creed speaking; and a silver medal in the project-book contest.

The 4-H horse club, National Honor Society, track team, church youth group, and church choir are some of Davidson's extracurricular activities. She also was the Cumberland County Dairy Princess.

After high school she plans to attend Penn State where she will major in an agricultural-related field.

Richard Deist

The 17-year-old son of Robert L. and Lois A. Deist of Boswell, Richard Deist has earned the Greenhand and Chapter Farmer degrees and received the Chapter Star Agribusinessman and Western Region Star Agribusinessman awards.

Deist is president of the North Star FFA chapter and sentinel of the county FFA organization. He has chaired the Somerset County fair booth committee and worked on the fruit sales and awards ceremony/pig roast committees. He participated in the county speaking contest, was a sale runner at the Somerset County Fair, and had work experience projects as a sales clerk and farm hand.

Deist is a volunteer fireman and a member of Boy Scouts. Upon graduation he hopes to own and operate a successful business.

Scott Deppen

A third-year member of the Halifax Area FFA chapter, Scott Deppen has been sentinel for the chapter and worked on the seed, fruit, swine, and safety committees. Deppen, the 18-year-old son of George and Elaine Deppen of Halifax, has earned the Greenhand and Chapter Farmer degrees and received the agricultural sales and service award.

Deppen is a member of the Halifax Area High School's concert and marching band and the conservation club as well as 4-H. He enjoys hunting, fishing, and restoring antique farm equipment. Once he graduates he plans to work for an agricultural-equipment dealer selling parts and servicing farm equipment.

Steven W. Derstine

Steven W. Derstine has had projects in carpentry and landscaping as well as engine repair. He also has worked on Christmas tree, crop, and fruit farms.

The 17-year-old son of Clyde and Marge Derstine of New Ringgold, Derstine served the Blue Mountain FFA chapter as treasurer and sentinel and earned the Greenhand and Chapter Farmer degrees as well as the Star Greenhand award.

Derstine enjoys hunting, trapping, cars, and riding cycles and snowmobiles. After graduation he plans to become a heavy-equipment operator.

Jeremy Deysher

President of the Oley Valley FFA chapter, Jeremy Deysher received two vo-ag academic achievement awards, was a member of the FFA state band, and received the Bundestag World Agriscience National Scholarship in order to study agriculture in Germany.

Deysher, the 18-year-old son of Eugene and Jean Deysher of Fleetwood, placed second in the 1986 county creed speaking contest and fifth place on the area level; placed second in the 1986 area agronomy contest; third place in the 1988 county land judging contest; first place in the 1988 county agronomy contest; and second place in the 1988 area dairy foods contest. He also participated in the 1986 home garden county project book contest.

Deysher has been a member of the Oley Vally High School's cross country team, and concert, marching, and jazz bands as well as his church's youth group.

Upon graduation he plans to attend college and major in animal science or agricultural education.

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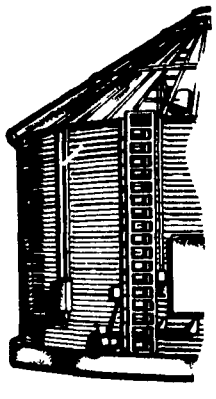

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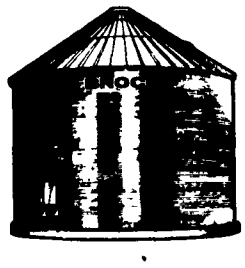

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Pennsylvania Applauds

(Continued from Page D12)

Brenda K. Dice

The 17-year-old daughter of Harold and Audrey Dice of Fredericksburg, Brenda K. Dice has served the Northern Lebanon FFA chapter as secretary and president. She has had projects in market hogs, tomatoes, dairy herd, ducks, and pleasure horses.

Dice has earned the Greenhand and Chapter and County Farmer degrees. In addition she has received the Star Chapter Farmer award.

A member of the Norlebco 4-H dairy club, Dice enjoys working with cows. After graduation she plans to work at Blue Mountain Jerseys Inc. and eventually own her own herd.

Linette Diehl

Dairy calves, heifers, and cows are the projects that Linette Diehl has had as a member of the Bedford FFA chapter. She has received the Greenhand degree; Bedford, Blair, and Fulton farming program awards; scholarship award; and second place in the 1987 state dairy judging contest.

Diehl, the 18-year-old daughter of William and Freda Diehl of Bedford, has served on the float and citrus committees and participated on the dairy judging team. In addition she has been secretary of her chapter.

Interested in walking and weight lifting, Diehl is a member of the 4-H Friendly Moo-Moos club and the Pennsylvania Ayrshire Association. She is undecided as to her future after graduation.

Jesse E. Dixon III

The 19-year-old son of Jesse E. and Anna L. Dixon of Hamburg, Jesse E. Dixon III has served the Hamburg Area FFA chapter as sentinel and reporter as well as chairman of the citrus sales and recreation committees. He also was co-chairman of the King Frost parade float committee.

Dixon attended the Washington D.C. Leadership Conference and earned the Greenhand, Chapter Farmer, and Berks County degrees as well as the chapter's outdoor recreation award. He is interested in hunting, fishing, and bowling and is a member of the Hamburg Area High School's bowling, intramural soccer, hockey, basketball, baseball, and football teams. After graduation he hopes to work as a welder in a steel factory.

Kenneth S. Dunn

The 17-year-old son of Greg and Donna Dunn of Coudersport, Kenneth S. Dunn has been involved with dairy and swine production projects.

He has served the Spud Growers FFA chapter as chaplain and represented them in the area creed speaking contest. A football player, Dunn plans to attend college and pursue a degree in foreign marketing.

(Turn to Page D14)

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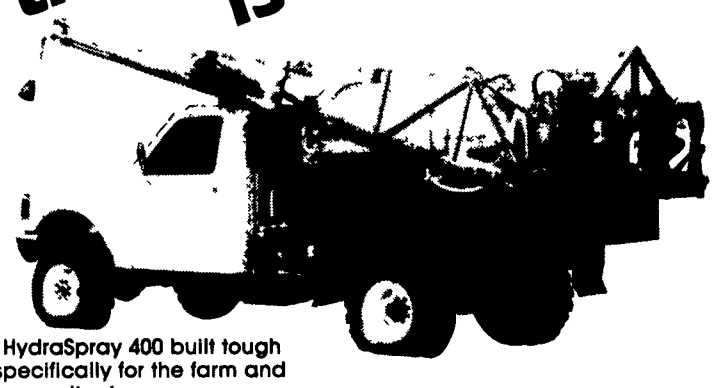

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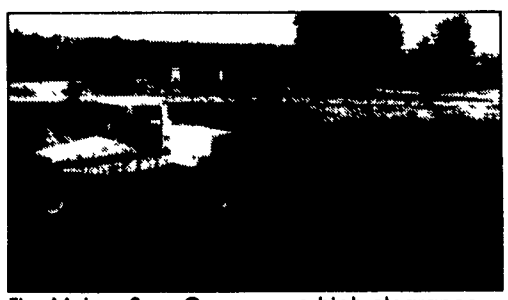

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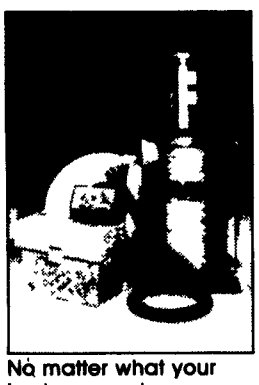

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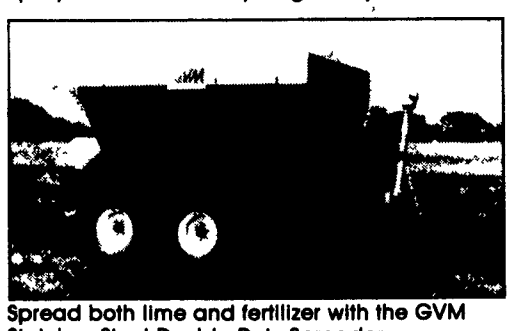

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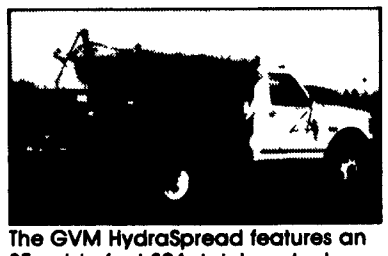

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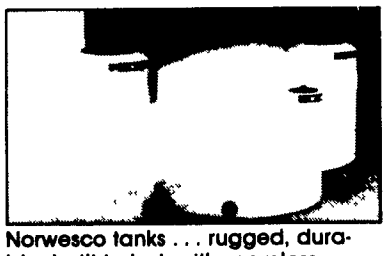

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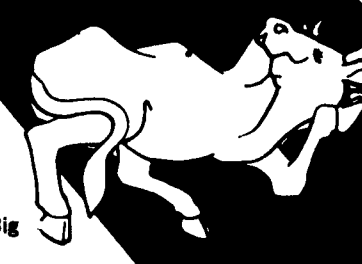

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Pennsylvania Applauds

(Continued from Page D13)

John Dyarman

Beef finishing and breeding are the projects on which John Dyarman has worked. The 18-year-old son of Joe and Marie Dyarman of Carlisle, Dyarman has earned the Greenhand and Chapter Farmer degrees as well as the C.D.P. Area degree.

Dyarman worked on the earnings and savings committee and served the Big Springs FFA chapter as treasurer. He enjoys riding motorcycles and plans to work with his father on the farm after high school.

David W. Ealy

A fourth-year member of the McGuffey FFA chapter, David W. Ealy is currently serving the chapter as president. He also is vice president of the Washington County FFA organization.

Ealy, the 17-year-old son of Arlene C. Ludwin and Donald V. Ealy of W. Alexander, has had projects in swine breeding and finishing, beef finishing, small grains, and forage crops. He earned the Greenhand and Chapter Farmer degrees and competed in ag mechanics and record keeping contests. He also chaired the BOAC committee.

Interested in hunting and fishing, Ealy hopes to further his education in forestry after graduation from high school.

Jeremy S. Earhart

The 17-year-old son of James and Shirley Earhart of Stevens, Jeremy S. Earhart has had projects in feeder hogs and potatoes. He currently is secretary for the Cloister FFA chapter and has served on the earnings and savings, reporting, and public relations committees, chairing the public relations committee.

Earhart has earned the Greenhand, Chapter Farmer, and Red Rose degrees. In addition he received a proficiency award in hog production. He enjoys riding all-terrain vehicles, hunting, and fishing. After graduation he plans to become an electronical engineer.

Susan Eisenhour

Voted the Outstanding York County FFA Girl, Susan Eisenhour was secretary for the county FFA organization and student advisor and parliamentarian for the Dover FFA chapter.

The 17-year-old daughter of Jim and Brenda Eisenhour of Wellsville, Eisenhour has earned the Greenhand, Chapter Farmer, and White Rose degrees. She has had projects in beef breeding and finishing and market lambs.

Eisenhour has worked on the earnings, savings, and investment committee. She is a member of the York County Baby Beef club and the Wellsville 4-H Community club. She enjoys showing cattle and after graduation hopes to get married and become an agribusiness manager.

Ben Elkin

Production of acorn and zucchini squash, corn, oats and wheat, swine, and sweet corn are the projects in which Ben Elkin has been involved.

The son of Ben and Kathryn Elkin of Marion Center, Elkin has served the Marion Center FFA chapter as vice president and treasurer and worked on committees such as banquet, Food for America, BOAC, and Community Service. He participated in livestock-judging, tractor-driving, salesmanship, and interview contests.

Elkin has earned the Greenhand and Chapter Farmer degrees and received athe Star Greenhand and Star Chapter Farmer awards. In addition he has received numerous chapter proficiency awards, prizes for showing livestock at the Pennsylvania Farm Show and the Indiana County Fair, and awards for livestock judging. He also was this year's winner of the Western Regional Star Farmer Award and Indiana County FFA treasurer.

Interested in sports and hunting, Elkin also is involved in 4-H and the Marion Center Area High School's track and wrestling teams. After graduation he plans to attend college.

(Turn to Page D16)

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BIG 10	20	0	53	48	30	0	108	259
CROWN	51	0	47	49	47	35	111	340
DART	35	0	63	46	62	35	113	354
DK 120	10	0	57	20	39	0	106	232
DK 135	20	0	26	46	20	25	106	242
DYNASTY	20	0	60	46	46	35	111	318
EDGE	51	0	44	47	37	35	113	327
G 2852	51	0	56	43	38	35	112	335
GARST 636	20	0	54	47	54	35	111	321
ONEIDA VR	20	0	44	55	16	55	108	298
P 5432	0	0	61	66	23	35	109	296
SURPASS	20	0	49	46	45	35	111	306
VERNAL	0	0	42	32	5	5	100	184
WL 320	25	0	58	60	37	25	108	313
WRANGLER	10	0	36	42	47	10	104	249

(1) SOURCE Northrup King and University Tests
Figures show percent resistant plants (51+) = High Resistance, (31-50) = Resistant, (16-30) = Moderate Resistance, (6-15) = Low Resistance, (0-5) = Susceptible
(2) Forage yield in percent of Vernal in states of WA, MN, WI, MI, IA, IL, PA and the province of Ontario, Canada
(3) Total combined percentages — Pest Resistance and Yield
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Badger	200	$303.54	$378.96	$500.23
Badger	205	$354.70	$442.82	$469 39
Badger	240	$353.22	$440.98	$582 09
Badger	3210	$315.58	$393.98	$508.23
Badger	3260	$359.12	$448 34	$591.81
Badger	3330	—	—	—
Balzer	240	$374.73	$452.58	$597 41
Balzer	300 need 2	$351.29	$424.26	$462.44
Balzer	410	$255.56	$319.04	$421.13
Balzer	440 need 2	$312.17	$377.02	$521.14
Balzer	515 need 2	$363 23	$438.68	$592.23
Balzer	700 need 2	$460.76	$556.45	$751.25
Big -Blue		$259.49	$323.96	$343.40
Case	160	$323.15	$394.08	$429.55
Cobey	75, 100	$204.45	$258.80	$273.56
Cockshutt	623A,623B	$214 41	$271.40	$287.68
Co-op	31T	$214.41	$271.40	$287.68
Cunningham	85A	$282.63	$357.75	$379.23
Decker	100, 101, 301	$260.87	$330 22	$350.09
Eze-Way		$244.87	$309.96	$328.56
Farm-Eze	1700	$276.91	$350.52	$371.55
Farmhand	430, 436	$261.55	$331.08	$350.94
Farmhand	450	$418.57	$529.84	$561.83
Farmrite	165	$321.18	$406.56	$430.98
Ferguson	A10,21,22	$214.44	$271.44	$287.73
Forage King	160	$337.92	$412.10	$449.19
Ford	2016	$206.47	$261.36	$277.04
Gehl	113	$277.59	$338.52	$368.99
Gehl	117	$313.01	$381.72	$416.07
Gehl	125	$376.50	$476.58	$505.17
Gehl	132,142	$455.76	$555 60	$605.82
Gehl	180	$298.38	$377.70	$400.36
Gehl	250	$373.17	$455.08	$495.95
Gehl	350 need 2	$282.54	$344.56	$375.57
Gehl	500	—	$413.38	$450.58
H & S	125			
H & S	180,220	$311.51	$394.32	$417.98
H & S	235	$309.51	$392.32	$415.98
H & S	270	$383.27	$467.40	$509.47
H & S	295	$383.32	$467.48	$509.53
H & S	370	$448.31	$546.72	$595.92
Huebner		$308.96	$376.80	$410.71
Int. Harv.	101,102,103	$293.18	$371.08	$393.34
Int. Harv.	125,130	$243.83	$308 64	$327.16
Int. Harv.	150,155,160	$276.58	$350.10	$371.11
Int. Harv.	175	$311.51	$394.32	$417.98
Int. Harv.	320	$296.66	$375.52	$397.73
Int. Harv.	530	$248.44	$314.48	$415.11
Int. Harv.	540	$280.29	$354.80	$468.34
Int. Harv.	550,555	$334.82	$424.36	$560.80
Int. Harv.	570	$267.32	$326.00	$355.34
Int. Harv.	575	$269.32	$328 00	$357.34
Int. Harv.	580	$298.11	$377.36	$400 00
Int. Harv	595	$345.06	$420.80	$458 67
Jadco		$244 94	$308 00	$327.97
John Deere	33	$255.72	$336 48	$346.57
John Deere	34	$256.59	$324.80	$428.74
John Deere	40	$274.92	$348.00	$459.36
John Deere	44	—	$347 44	$378.71
John Deere	54	—	$478 00	—
(includes 2 sprockets)				
John Deere	660	$373.21	$455.14	$598 40
John Deere	680	$350 04	$426 88	$576.29
Kasten	135	$277.59	$338 52	$368.99
Kasten	175	$313.01	$381.72	$416 07
Kasten	250,250T	$395.27	$428.04	$525 42
Kasten	270	$370.18	$451.44	$492 07
Kasten	325,400	$455.76	$555.80	$605.82
Kelly Ryan	150	$364.54	$444.56	$484.55
Knight	66	$241.60	$294.64	$321.16
Knight	88	$294.32	$372.56	$394.91
Knight	115	$243.84	$308 96	$327.52
Knight	135,140	$281.80	$356.84	$378.66
Knight	180	$296.65	$378.04	$400.72
Knight	195	$319.16	$404.00	$428.24
Knight	235	$371.10	$452.56	$452.56
Knight	250,252	$373.20	$455.12	$496.08
Knight	300	$415.41	$506.60	$552.19
Knight	350 need 2	$284.34	$348.76	$377.97
Knight	410 need 2	$325 20	$396.58	$432.27
Knight	500, 510 need 2	$338 97	$413.38	$450.58
Knight	650 need 2	$402.60	$490.98	$535.17
Lundell		$300.51	$366.48	$399.46
Massey Ferg	18,20	$247.14	$312.84	$331.57
Massey Ferg	110,130	$238.44	$301.82	$319.93
Massey Ferg.	180	$275.57	$348 82	$369.75
Massey Ferg.	205	$349.83	$442.82	$469.39
Massey Ferg.	721	$320.60	$405.82	$430.17
Massey Ferg.	724	$373.17	$454 86	$494.71
Massey Ferg.	727	$410.02	$500.02	$545 00
Miller	235	$349 29	$425.96	$464.30
Miller	295,350	$411.90	$502.32	$547.53
Minne	110	$247.14	$312.84	$331.61
Moline				
Meyers	M125A	—	$378.90	—
Meyers	M145A	—	$428 02	—
Meyers	M160A	—	$485.62	—
Meyers	M190A	—	$579.24	—
Meyers	M225A,M300A	—	$596.16	—
Meyers	M350A	—	$659.48	—
Minnesota	220	$445.47	$543.26	$592 15
New Holland	200,202,220,221, 222	$247 14	$312 84	$331.57
New Holland	212,213	$206.47	$261.36	$277.04
New Holland	300,325,327,328, 329	$259.49	$323.96	$343.40
New Holland	330,331,335,336	$259.49	$323.96	$343.40
New Holland	470,475	$380 81	$482.04	$510.96
New Holland	510,511,512	$272.64	$345.12	$365.83
New Holland	513,514	$280.50	$355.06	$421.91
New Holland	516,517,518	$329.18	$416.68	$495.02
New Holland	519,520	$280.50	$355.06	$421.81
New Holland	675,676,677	$443.63	$541.08	$657.39
New Holland	679,680	$455.03	$554.92	$674.22
New Holland	790,791	$504.82	$615.64	$789.00
New Holland	795 need 2	$348.60	$425.12	$506.45
New Holland	800 need 2	$354.37	$432.16	$525.07
NH Dble. Slatted	510,511,512	$406.46	$497.37	$455.40
NH Dble. Slatted	513,514	$427 07	$503.67	$503.67
NH Dble. Slatted	516,517,518	$491 20	$579.30	$550.33
NH Dble. Slatted	519,520	$516.60	$609.50	$609.50
NH Dble. Slatted	675,676,677	$637.89	$752 30	$752.30
NH Dble Slatted	679,680	$670.27	$790.50	$790.50
New Idea	211	$205.97	$260.72	$309.73
New Idea	212	$255.14	$322 96	$374.95
New Idea	213,217	$308 67	$390 72	$464.17
New Idea	214	$362 96	$442 64	$525 85
New Idea	218,244	$410 25	$500 28	$594.00
New Idea	224,245	$472 78	$576.56	$684.95
New Idea	243	$310 03	$392 44	$415.99
New Idea	351,351A	$257.14	$324 96	$344.34
New Idea	351B	$310.67	$392.72	$416.16
New Idea	352	$317.71	$402 16	$426.12
New Idea	353	$469 24	$572.24	$623.74
New Idea	354	$488.10	$595.24	$648.81
New Idea	355	$365.51	$445 74	$494.29
New Idea	360,3615	$252 23	$319 28	$338.44
New Idea	361,3618	$294 70	$373.04	$395 42
New Idea	362,3622	$317.96	$402 48	$426.83
New Idea	363,3632	$469.24	$572 24	$623.74
New Idea	364,3639	$488.10	$595.24	$648.81
Oliver	590	$329 21	$401.48	$437.61
Patz	181	$313.19	$396 44	$420.23
Patz	350	$453.57	$533 14	$602 92
Schultz	160,2120-40,212 5-30	$288 89	$365 66	$487.62

FORAGE BOX CONVEYOR CHAINS

MAKE	MODEL	APRON PRICE STEEL DETACH	APRON PRICE PINTLE CHAIN	PRICE STEEL DETACH CROSS-CONVEY-OR CHAIN	PRICE PINTLE CROSS CONVEY-OR CHAIN
A-C		POR	POR	POR	POR
Artsway	17142-0	321.18	358.27	POR	POR
Badger	BN23 16'	297.65	332.02	118.74	202.12
Badger	BN23 18'	336.83	375.71	118.74	202.12
Badger	BN950 1416 14'	297.65	332.02	102.58	177.47
Badger	BN950 1416 16'	336.83	375.71	102.58	177.47
Balzer	5014	297.00	331.28	POR	POR
Balzer	6514	250.03	278.90	POR	POR
Balzer	6516	278.97	311.16	POR	POR
Balzer	6518	318 82	355.63	POR	POR
Balzer	6520	359.98	401.74	POR	POR
Balzer	7018	POR	POR	125.43	216.99
Cobey	51	POR	POR	138.62	239.82
Danco	14' (Grove)	291 01	324 60	104 50	180.01
Danco	16' (Grove)	330 67	368 85	104 05	180 01
Dion	1016	322.51	359.74	—	—
Dion	1018	361.46	403 19	—	—
Forage King	14'	289.22	322.61	—	—
Ford	Big Blue 808	POR	POR	POR	POR
Fox	625	318.09	354.80	122 70	212.27
Fox	WB 16A	POR	POR	POR	POR
Gehl	80,81,83,82	282.47	308.59	125.01	216.27
Gehl	84,86	282.47	308.59	—	—
Gehl	610,620,630, 640, 14'	285.74	318.73	—	—
Gehl	610,620,630, 640, 16'	324.07	361.47	—	—
Gehl	700,710,810, 910,920,940 960, 14'	295.20	329 27	104.98	181.82
Gehl	910,920,940, 960, 16'	334.79	373.44	104 98	181.62
Gehl	970 16'	310.54	346.39	POR	POR
H & S	XL500 16'	319 54	356 43	100 88	174.53
H & S	Super 7&4 16'	338 85	375 82	POR	POR
Hesston	7314	320.99	357.97	—	—
Hesston	7322	320 99	357.97	POR	POR
Hesston	7326	320.99	357.97	POR	POR
Hesston	16'	320 99	357.97		
Int. Harv.	61	295.44	329 56	—	—
Int Harv.	105,110,14'	280 84	313 26	—	—
Int Harv.	105,110 16'	320.20	357.28	—	—
Int. Harv.	51 14'	382.70	426 89	124.16	214 80
Int. Harv.	51 16'	434.64	484.82	124.16	214.80
Int. Harv.	120,14'	289.27	322.65	—	—
Int Harv.	120,16'	326.66	364.37	—	—
Int. Harv.	130 15'	298.68	333.17	—	—
Int. Harv	130 18'	367 09	409.48	—	—
John Deere	110	433.82	494 82	112 56	194.73
John Deere	112,122	242.77	270 80	124.37	215 70
John Deere	115,125	292.22	325 96	124 37	215 70
John Deere	214	279.76	312 07	124 37	215 70
John Deere	216	317.89	354.61	124 37	215 70
John Deere	714	286.68	319.77	141.71	245 15
John Deere	716	325.73	363 34	141.71	245.15
Kasten	Power Box 14'	281 58	314 08	—	—
Kasten	Power Box 16'	320.21	357 17	—	—
Kasten	Kwik Load 20 14'	289.27	322 65	—	—
Kasten	21,22,26 14'	289.27	322 65	POR	POR
Knight	14E	334.36	372.97	102 88	177 98
Knight	14-7	253.98	283 31	113 23	195 88
Knight	17-7	319.14	355.98	113.23	196 88
Knight	20-7	361.35	403.06	113.23	196.88
Lamco	Rex 14'	291.40	325.06	93.46	161.66
Lamco	Rex 16'	331.09	369.31	93 46	161.66
Meyers	416,516 14'	403.82	POR		
Meyers	418,518 16'	461.44	POR		
Meyers	516 14'	290.15	323.67	118.66	205 29
Meyers	516 16'	329.96	368.05	118.66	205.29
Meyers	250 18'	369.84	412.55	—	—
Meyers	618 16'	POR	POR	—	—
Meyers	620 18'	POR	POR	—	—
Miller	2150	294.80	328.82	—	—
Miller	2175	342.40	381 95	—	—
Miller	2200	404 79	451.52	—	—
Miller	4100 16'	326 55	364 27	—	—
New Holland	3	441.80	504.46	130.75	226.20
New Holland	6	515 77	629 20	97 64	168.92
New Holland	8	321 50	358 64	—	—
New Idea	601,602,604 605,608	294.47	328 50	—	—
Papec	140	288 53	321.83	—	—
Papec	160	324.29	361.73	—	—

ROLLER CHAIN

Chain No.	Chain Pitch	Riveted	Cottered
35	3/8"	.87	—
40	1/2"	83	—
50	5/8"	1.23	—
50H	5/8"	2 27	—
60	3/4"	1.52	3.81
60H	3/4"	2 13	4 16
80	1"	3 03	4 48
80H	1"	3.86	6 66
100	1¼"	5 49	6 20
100H	1¼"	9 03	10.07
120	1½"	7.85	8 91
120H	1½"	13 59	14.72

Other sizes available 25 to 200 from single strand to six strand

STEEL DETACHABLE ATTACHMENT LINKS

55AI	40
55CI	.54
55-C11	54
55-G27	56
55-HB4	.78
55-SH	.60
62-A1	.60
62-C1	62
62-C11	62
62 G27	.84
62-HB4	1.16
62-SH	84
67H-AS	1 06
67XH-AS	1 18
88-A2W	3 00
S-B	1.30

T-BAR CHAIN & T-ROD CHAIN

T67 Plain Link	85 link
T-67 Attach Link	1.86 link
T-Rod Plain Link	.85 link
T88 Plain Link	1.35 link

NEW HOLLAND BALER UPPER CHAIN

N.H. MODEL	N.H. PART NO.	PRICE PER PAIR
845	704545	340 27
846 & 847	634335	357 27
849	679303	564 68
850	273260	399.00
851 & 852	679768	487.90
855	786717	898 80

PINTLE CHAIN

CHAIN NO.	PITCH	PRICE PER FT.
662	1 664	3.70
667H	2.313	3.60
D667J	2.25	5 80
667X	2 25	5 26
D667K	2 25	7.22
D88K	2.609	8 90

STATIONARY CONVEYOR BOX

MAKE	MODEL	PRICE
BALZER	1014	CALL
BALZER	1016	FOR
RICHARDTON	1014	PRICES
RICHARDTON	1016	

BUTLER JAMESWAY
BIG JIM SILO CONVEYOR
PRICE PER FT $12 75 Delivered
PART #FV2142 Price $297.00 Delivered

FEED WAGONS, MIXER WAGONS, SILAGE MIXERS

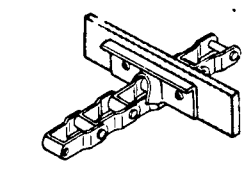
MAKE	MODEL	MAIN APRON CHAIN PRICE	UNLOADING OR ELEVATOR CHAIN PRICE
ARTS WAY	155	CALL FOR PRICES	
ARTS WAY	700		
ARTS WAY	750		
ARTS WAY	800		
ARTS WAY	850		
FOX	512		
GEHL	170		
GEHL	280		
HEINKE	Mini		
HEINKE	B240		
HEINKE	H12		
HEINKE	H14		
INT. HARV.	200		
INT. HARV	300		
JOHN DEERE	410		
KNIGHT	BA12		
KNIGHT	BA14		
KNIGHT	BA16	CALL FOR PRICES	
KNIGHT	LA9C		
OSWALT	320		
NEW IDEA	604		
SCHULER	125BU		
SCHULER	175BU		
SCHULER	260BU		
SCHULER	400BU		
SCHWARTZ	680		
SCHWARTZ	750		
SCHWARTZ	760		
SCHWARTZ	780 Short		
SCHWARTZ	780 Long		
SCHWARTZ	860		
SCHWARTZ	880		
SCHWARTZ	950		
SCHWARTZ	980		

AGRICULTURAL ROLLER CHAIN

CHAIN NO.	PRICE/FT
C550	2 90
C555	3 79
C551X	7 08
C557	4 86
C620	4 34
C2050	1 23
C2060H	2 37
A550	3 84
A555	3 84
A557	4 86
A620	4 53
A2040	89
C2040	91
A2050	1 22
A2060	1 71
C2060	1 73
C2080H	4 08

STEEL DETACHABLE CHAIN

CHAIN NO.	PRICE FT.
25	1.06
32	1.10
42	1.20
52	1.53
55	1.27
62	1.79
62H	2 19
67H	2.43
67XH	3 09
88	2 98
S	2 52



667H
SINGLE CONVEYOR CHAIN
w/10 5/8" Rubber Paddle
$6.28/Ft. Delivered
(Other Sizes Available)

P O R Equals PRICE ON REQUEST

CORN HEAD GATHERING CHAINS

MAKE	MODEL NO'S	PRICE
ALLIS CHALMERS	2A,3E,2N,3A,3H,4C, A420,E420,C620,C820, H330,E330,C430,C630, C435,H240,E240,C440 FL430-GL440	16 80 24.70
	1969-72 All Models Low Profile	24 70
	1973 - 73 Low Profile	25 77
	1977-79 Heads All Models	27 06
INT HARV.	ALL 800 SERIES HEADS 227,228,229,428,430, 724,733,327WN,620N, 630N,762,763	34 20
JOHN DEERE	243,244,343,344,443, 444,543,546,642,643, 644,645,842,843	23 63
	235,335,435,635	36 43
	555,234,334,434,634	37 03
MASSEY FERG	22,321,322,33, 421,422,43,63,621	28 29
OLIVER & MINN MOLINE	522,525,531,535, 541,544,H942,H944, H953,H954	33 82
NEW HOLLAND	922,923,923L,924 924N,926,	37 03
	926 after Ser. #220344 Late 1977	28 85
	962 Before Ser #220344 Early 1977	29 82
	All Models from 1980	23 63
NEW IDEA	723,724,725,726 843N,843W,844N, 844W,846N,	35 81 31 04
	324,325,720,730	18.92
	319,324,325,720,730	18 06
WHITE	702,703,704,705,706	25 20

NEW HOLLAND BALER FLOOR CHAIN

N.H. MODEL	N.H. PART NO	PRICE
845	268/66	$48 90
846,847	714619	$48 23
850	710395	$73 85
851,852	718096	$61 77

CLAY RANGER MANGER CONVEYOR CHAINS

CHAIN	PART NO.	PRICE
Main Conveyor	#2-913680-6	$105 50
Cross Conveyor	#1-913677-0	$ 97.75

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Pennsylvania Applauds

(Continued from Page D14)

Timothy J. Engle

Timothy J. Engle is presently the historian of the Bellwood-Antis FFA chapter. He has won a foundation award and several gold project-book awards. He also received the Chapter Farmer degree.

The 18-year-old son of Edward S. and Carole K. Engle of Tyrone, Engle has participated in land judging competitions and attended the State Farm Show. He enjoys football and basketball and hopes to enter the Air Force Reserve to study engineering after graduation from high school.

David I. Epting

The 17-year-old son of Mr. and Mrs. David H. Epting of Hamburg, David I. Epting is a member of the float, citrus sales, and bologna sales committees. He has shown hogs at the State Farm Show and participated in creed speaking competitions.

Epting placed first in the 1987 Berks County ag-mechanics contest and second place in the county's tractor-driving contest of the same year. He enjoys mechanical work and belongs to the Audio-Visual Service Group. Upon graduation he plans to enter the Air Force.

Ted E. Ertman

Currently serving his second term as president of the Conneaut Valley FFA chapter, Ted E. Ertman previously was the chapter's sentinel. He has had projects in beef breeding.

Ertman, the 18-year-old son of Ted and Janet Ertman of Conneautville, earned the Greenhand, Chapter Farmer, and County Farmer degrees and received proficiency awards in beef breeding and ag mechanics. In addition, he received the Star Chapter Farmer award and won first place in the 1987-88 state record book contest for beef breeding.

Interested in farming, FFA basketball, and collecting model farm tractors, Ertman plans to own and operate a dairy farm some day.

Larry I. Eshbach

Larry I. Eshbach has raised and shown hogs for four years and worked on his father's farm for six years. He has earned the Greenhand, Chapter Farmer, and Red Rose degrees.

The 18-year-old son of Mr. and Mrs. Larry Eshbach of Millersville, Eshbach placed second in the county ag-mechanics contests and has attended the national FFA convention. He is a member of the Old Timers' tug-of-war team.

Eshbach enjoys working on his father's farm and after high school would like to get a job assembling farm equipment.

Kathy Fairman

Kathy Fairman, a fourth-year member of the Marion Center FFA chapter, has been president of the chapter and worked on the banquet, Food for America, BOAC, and community service committees.

The 18-year-old daughter of Keith and Joanne Fairman of Creekside, Fairman has had projects in sheep production and work experience. She has participated in livestock and land judging competitions including the state livestock judging contest.

Fairman earned the Greenhand and Chapter Farmer degrees, placed second in the Indiana Area FFA land judging contest and in the state FFA livestock judging competition. In addition she was a member of the state livestock judging team that competed in Kansas City on a national level and a third-place winner in the general public speaking contest on the area level.

Interested in hunting, sports, and poetry, Fairman is a member of the Marion Center Area High School volleyball and softball teams as well as Project P and K. After graduation she plans to attend college.

Richard T. Fantom

Dairy cow, calf, and heifer; beef calf; wheat; corn; soybeans; and on-farm work experience are the projects that Richard T. Fantom has had.

The 17-year-old son of James R. and Sue Carol Fantom of Delta, Fantom has earned the Greenhand, Chapter Farmer, and White Rose degrees. In addition, he has received a production credit award and was named the York County Outstanding FFA Boy in 1988.

He placed first this year in the chapter tractor-driving contest and second on the county level. Fantom also was a member of the chapter's parliamentary procedure team for two years.

Fantom served his chapter and the county FFA organization as treasurer and work-

(Turn to Page D17)

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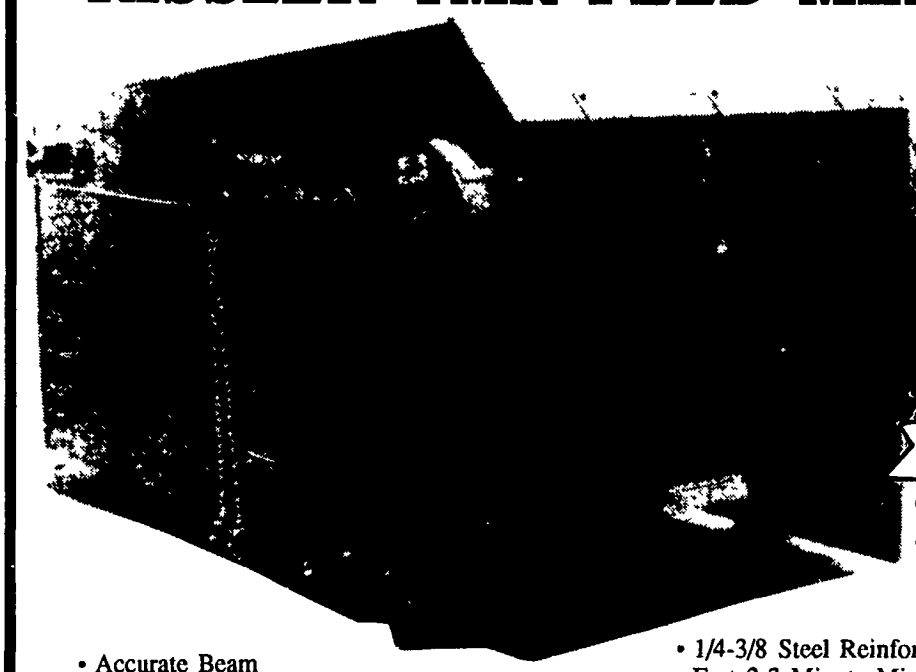

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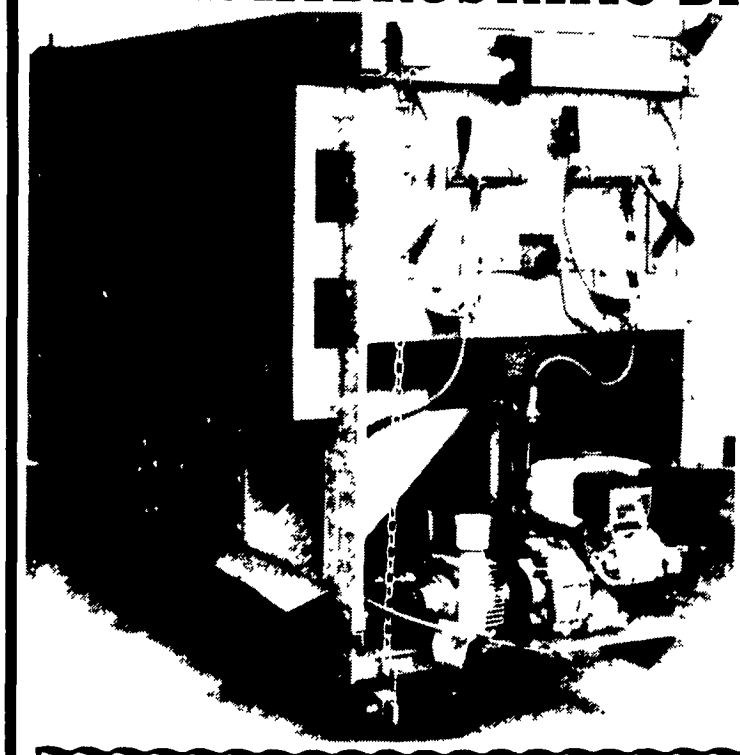

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Pennsylvania Applauds

(Continued from Page D16)

ed on the leadership, earnings & savings, and community service committees.

Interested in hunting, fishing, baseball, and showing cows, Fantom plans to own and operate a hog-fattening and swine-breeding facility in the future. He also may become a diesel mechanic.

Larry B. Feeser Jr.

The 17-year-old son of Verna J. and the late Larry B. Feeser Sr., Larry B. Feeser Jr. has served the Conewago FFA chapter as vice president and treasurer and the county FFA organization as president.

Feeser has had projects in swine breeding and finishing, small grains, corn, and beef breeding. He participated in the state FFA choir, showed hogs at the Pennsylvania Farm Show and Adams County FFA/4-H Swine Show & Sale, and sold fruit.

He has won the Greenhand and Chapter Farmer degrees and received the Star Chapter Farmer, John L. Kratzart, agricultural sales and service, land judging, parliamentary procedure, and extemporaneous speaking awards.

Feeser has been a co-captain of the New Oxford Senior High School cross country team; a member of the high school track team and concert choir; vice president of the Adams County 4-H Senate; treasurer of the New Oxford Community 4-H Club; vice president of the Adams County 4-H swine club; and a member of the Emory United Methodist Youth Fellowship.

Interested in fishing, hunting, singing, and traveling, Feeser plans to pursue a degree in vocational agriculture from Penn State and become a high school ag teacher. He also would like to own and operate a farrow-to-finish operation.

Karen H. Fessler

A fourth-year member of the Conrad Weiser FFA chapter, Karen H. Fessler has served her chapter as president, treasurer, and reporter. She has worked on several committees chairing the pumpkin contest, Food for America, Scholarship, public relations, earnings & savings, leadership, alumni relations, and participation in state and national activities committees.

Fessler, the 17-year-old daughter of Glenn I. and Joan I. Fessler of Robesonia, has earned the Greenhand, Chapter and County Farmer degrees and won first place in the state dairy foods competition. She also won a silver medal in the national dairy foods contest, placed third in the Pennsylvania Junior Dairyman's contest, took fourth place in the regional general prepared public speaking competition, and was sixth in the state extemporaneous speaking contest.

A member of the National Honor Society, Fessler also belongs to the Academic Challenge Team, her church's Handel choir, and the Conrad Weiser High School marching band, concert band, yearbook staff, and pit orchestra.

Skiing, swimming, reading, showing sheep, and horseback riding are some of Fessler's interests. After graduation she plans to attend Penn State and major in animal science. Following this she will attend a veterinary college and eventually work as a large-animal veterinarian.

Daniel M. Fetrow

Continuing a family tradition, Daniel M. Fetrow is the third member of his family to receive the Keystone degree. He also has earned the Greenhand, Chapter Farmer, and White Rose degrees.

The 17-year-old son of Glenn and Mary Fetrow of Dover, Fetrow was president and treasurer of the Dover FFA chapter and president of the York County FFA organization. He has chaired the scholarship committee and worked on the earnings, savings, and investments committee.

Fetrow has had projects in field corn and work experience on a hog farm. He enjoys working on vehicles and plans to become an ag mechanic and a farmer after graduation.

Lori Ann Filer

Lori Ann Filer has had projects in beef finishing and has earned the Greenhand and Chapter Farmer degrees. The 18-year-old daughter of Gary T. and Rebecca A. Filer of Mercer, Filer has received the Star Greenhand and Star Chapter Farmer awards and placed second in the public-speaking contest. She won the creed-speaking contest.

Filer was president and vice president of the Mercer Crossroads FFA chapter and worked on the decoration committee. She has been a member of the demonstration team, 4-H, and her high school's volleyball and swimming teams. She enjoys milking cows, riding horses, swimming, 4- and 3-wheel riding, and playing football and softball.

Upon graduation from high school, Filer will attend college to major in dairy husbandry.

Brian Fisher

The 17-year-old son of Wayne and Shirley Fisher of St. Thomas, Brian Fisher is a fourth-year member of the Conococheague FFA chapter. He has earned the Greenhand and Chapter and

(Turn to Page D18)

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Pennsylvania Applauds

(Continued from Page D17)

County Farmer degrees as wll as awards in creed speaking and project-book contests.

Fisher has had projects in dairy cows and heifers. He enjoys weight lifting and after finishing high school expects to take over his grandfather's dairy operation.

Michael E. Fisher

The vice president of the Solanco FFA chapter, Michael E. Fisher also has served as the chairman of the chapter's well-water testing project.

Fisher, the 17-year-old son of Mr. and Mrs. Kenneth Weaver of Millersville, has on-farm work experience at his uncle's dairy farm and has competed in land-judging, public-speaking, and farm mechanics contests.

Fisher also is a member of the high school wrestling team, varsity club, and National Honor Society. Although he's not sure what he'll do after he graduates, Fisher has narrowed it down to getting a degree in agricultural engineering at Penn State or studying engineering at the U.S. Air Force Academy.

Michael E. Fogle

This 17-year-old FFA'er is employed by Croner Cartage, and his work experience includes landscaping, preventative maintenance on lawn equipment, and washing school buses and over-the-road trucks and trailers.

The son of Mr. and Mrs. Roland Fogle of Berlin and Ms. Jean Fogle, Fogle is the treasurer of the Brothersvalley FFA chapter, having served as the sentinel last year. He has received the Greenhand and Chapter Farmer degrees.

Fogle has chaired the chapter sweetheart and window exhibit committees and has worked on the program of work, barbecue, calendar, vocational dance, cirtus fruit sales, blood drive, general banquet, safety, Food for America, parliamentary procedure, BOAC, and public relations committees.

Interested in hunting, fishing, camping, cars, and trucks, Fogle is a member of the National Rifleman Association and the Trinity United Church of Christ. After graduation from high school he plans to enter the Air Force.

Larry Forgy

Larry Forgy has served the Captain Jack FFA chapter as president, treasurer, and parliamentarian. He also has worked on the fruit sales, Halloween parade, and banquet committees.

The 18-year-old son of Charles and Eva Forgy of McVeytown, Forgy has had projects in dairy herd, hay, and grain crops. He has participated in land- and livestock-judging, Evirothon, and project book contests. He received the Star Greenhand and Chapter Farmer awards and was a winner in the project book contest and regional co-operative.

Forgy was a delegate to the Mid-Summer and -Winter conventions and participated in PAFC. He is a member of the Methodist church bell choir. Once he graduates from college, Forgy plans to work on the family dairy farm.

Tonya Fousnought-Mack

A fourth-year member of the Cowanesque FFA chapter, Tonya Fousnought-Mack is serving her second term as chapter secretary and her first term as County FFA president. Prior to county president she was secretary.

Fousnought-Mack has earned the Greenhand and Chapter and County Farmer degrees. She received a silver medal for her record book on the state level and the Headwaters Farm Credit award for record book. She was the volleyball team captain, served on the float, fruit, BOAC, and banquet committees and has had swine breeding projects.

A member of the Cowanesque Valley High School volleyball and track teams, cheerleading squad, and band, Fousnought-Mack will attend a school to learn cosmetology after high school graduation.

Jason R. Franke

A fourth-year member of the Tri Valley FFA chapter, Jason R. Franke has served his chapter as reporter and president. He also has been president of the Schuylkill County FFA organization.

Franke, the 17-year-old son of David and Carolyn Holden of Valley View, has participated in livestock- and land-judging contests at FFA Activities Week. He has earned the Greenhand and Chapter and County Farmer degrees and received a silver medal in the state record keeping contest. He also has won the chapter ag award in computers and the chapter's leadership award.

The committees on which Franke has worked include banquet, executive, and BOAC. He also worked on the Tri Valley Community Fair set-up and food committees. Franke has played on the Tri Valley High School football and basketball teams. After graduation he plans to attend college, major in ag business and find a job as a farm manager or in ag sales.

Melissa D. Gebhart

Showing horses, raising dairy heifers, and working on the farm are the projects on which Melissa D. Gebhart has worked.

The 17-year-old is serving her second term as secretary of the Conewago FFA chapter. She has earned the Chapter and County Farmer degrees and received the Star Greenhand award and a proficiency award for showing horses. Gebhart also won a silver medal in the state project-book contest.

Gebhart was the Adams County Poultry Queen last year and is a member of the New Oxford Senior High School's field hockey team and cheerleading squad. She enjoys riding horses and all-terrain vehicles. After graduation she plans to attend Central Pennsylvania Business School and eventually enter into a partnership with her father.

Jeffrey Gehman

Jeffrey Gehman, the 17-year-old son of Dave and Faye Gehman of East Earl, has had projects in market lambs and purebred dogs. He also has work experience at the Stauffer Homestead Farm and the Weaver Homestead Farm.

Gehman has served the Grassland FFA chapter as treasurer, second chaplain, sec-

(Turn to Page D20)

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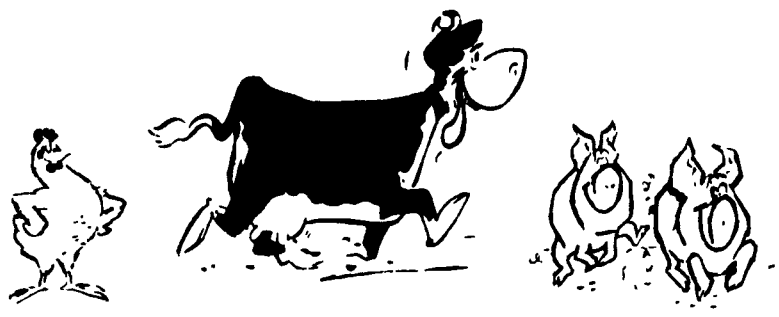

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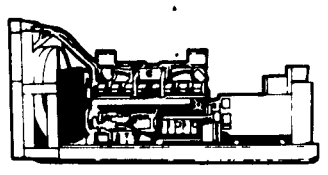

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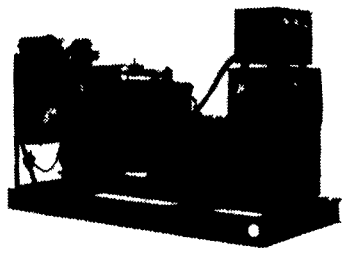

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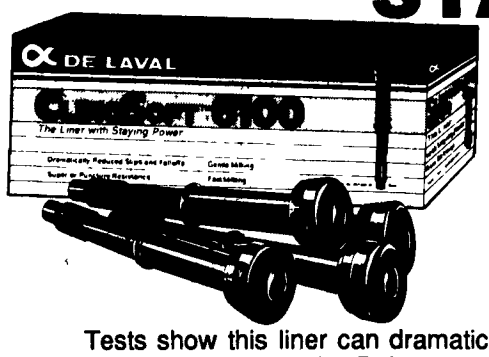

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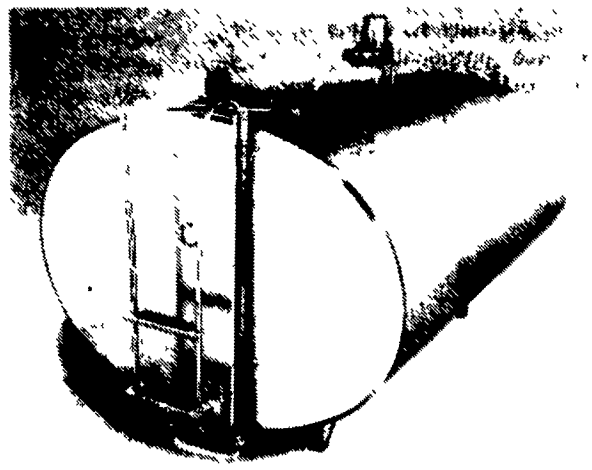

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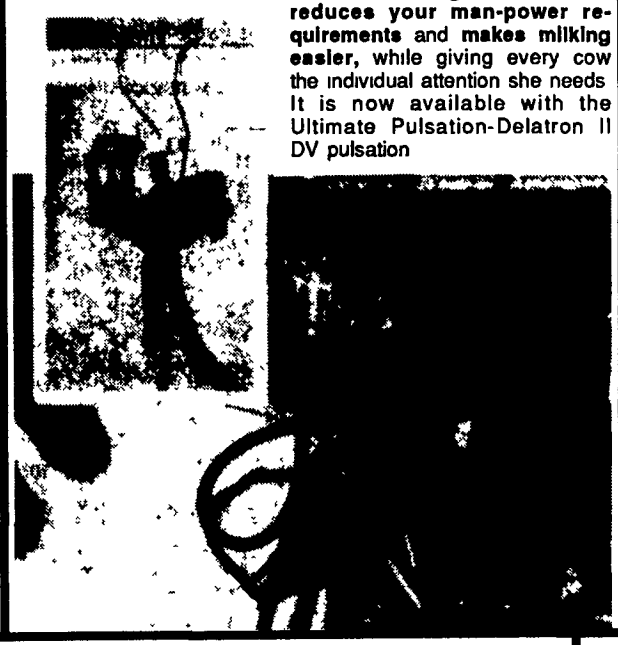

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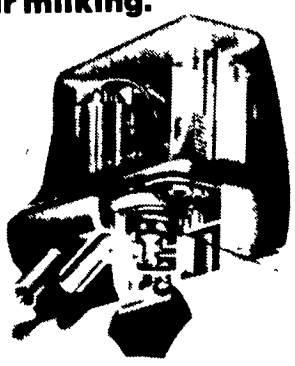

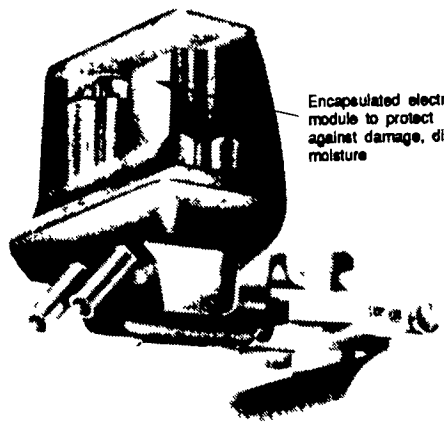

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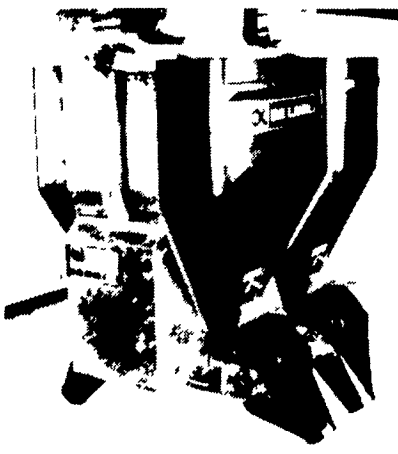

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ond reporter, and student advisor. He has chaired the conduct of meetings committee and co-chaired the BOAC committee.

He earned the Greenhand; Chapter Farmer, and Red Rose degrees and received proficiency awards in sheep and mechanics. He participated in the livestock judging at the Keystone International Livestock Exposition and was a delegate to the national FFA convention.

Gehman is a member of the Garden Spot High School softball, volleyball, and baseball teams as well as his church's youth group. He enjoys hunting and fishing, horseback riding, and target shooting. After graduation he hopes to stay in agriculture or find a job as an excavator.

Rob Glenn

The 16-year-old son of Bob and Patsy Glenn of Edinburg, Rob Glenn has earned the Greenhand and Chapter degrees and the Star Greenhand award.

Glenn is the owner of a 20-cow dairy herd and had numerous field-crop projects. He has participated on committees such as crop, Food for America, and citrus. In addition, he has been involved with FFA basketball, the demonstration team, and calf chain.

After graduation Glenn plans to own and operate his own dairy farm.

David L. Good

David L. Good has raised market lambs as a project and served on the cooperation and new-executive committees. He chaired the conduct-of-meeting committe.

Good was sentinel for the chapter and has earned the Greenhand, Chapter Farmer, and Red Rose degrees. He received a first place award in record keeping on the state level as well as a proficiency award for sheep production.

Interested in hunting and fishing, Good plans to work at an equipment dealer. .

Andrew Groff

In his four years as an FFA'er, Andrew Groff has served on various committees and has raised about 36 market hogs. He has won grand champion honors at the Lancaster FFA show in 1985 and 1986 and the champion at the Lampeter Fair from 1985 to 1987.

Groff has earned the Greenhand, Chapter Farmer, and Red Rose degrees. He placed fourth in the state livestock judging and third in the 1988 state extemporaneous speaking contest.

Outside of school Groff plays trumpet in the Lampeter-Strasburg High School's marching, concert, and jazz bands. He is president of the chorus and a member of the Madrigal Singers. He also is a member of the district band and chorus. He serves as the president of the National Honor Society and vice president of the ITS. In addition, he participates in the fall plays and spring musical at the high school.

Groff attends the Lancaster Church of the Brethren where he is president of the youth group. After graduation he plans to attend a four-year college and major in ag. communications.

Randy A. Groff

The 17-year-old son of Robert A. and Esther M. Groff of Ephrata, Randy A. Groff has raised dairy heifers and market hogs as projects. He has received the Greenhand and Chapter Farmer degrees.

Groff has participated on the dairy judging and parliamentary procedure teams. He also has served on the state and national activities committee.

Interested in showing cows and hogs and playing baseball, Groff is on the Ephrata High School wrestling team and has been a 4-H'er for nine years. After graduation from high school Groff hopes to own and operate a dairy farm.

Kenneth W. Grubb

Kenneth W. Grubb has been the reporter for the Penns Valley FFA chapter for three years. In addition, he has attended the Washington, D.C. Leadership Training conference and the IUP Leadership Training course.

Grubb, the 18-year-old son of Mr. and Mrs. Charles Grubb of Millheim, has had projects in dairy, market swine, and beef. He also has chaired the public relations program. He earned the Greenhand and Chapter and County Farmer degrees.

A football player for the Penns Valley High School team, he enjoys working on tractors and other farm equipment. Upon graduation he plans to become successful at farming and own a 600-acre operation.

Jerry Haning

Raising beef cattle and working on a beef farm are the projects on which Jerry Haning has worked. The 17-year-old son of Jerry and Shirl Haning of Salisbury, Haning has been president of the Mount Davis FFA chapter.

Haning is a member of the FFA volleyball and basketball teams as well as the Salisbury Elk Lick High School's soccer team and yearbook staff. Interested in hunting and fishing, Haning hopes to become a beef producer after graduation from high school.

Scott D. Hanna

Scott D. Hanna has served the Manor FFA chapter as a parliamentarian and executive vice president. He also worked on the banquet committee and numerous other committees.

The 17-year-old son of Mr. and Mrs. Charles Griffith of Millersville, Hanna won a silver medal at the national convention for swine showmanship, first in the county ag mechanics contest, chapter Star Agribusinessman and county runner-up Star Agribusinessman awards, and 10th in the state land-judging competition. In addition, he has earned the Greenhand, Chapter Farmer, and Red Rose degrees and received numerous other awards.

Hanna is a member of the Greenhill Church Youth Group, the Highville Fire Company, and the Old Timers' Tug-Of-War team. He enjoys hunting and being outdoors and after graduation plans to get a job in the agricultural field.

Jennifer Harnish

This 18-year-old member of the Solanco FFA Chapter is serving her chapter as president and the Lancaster County FFA as vice president. Jennifer Harnish, the daughter of Ed and Arlene Harnish of Christiana, previously acted as chaplain and sentinel.

Harnish's projects include strawberries, capons, market lambs, beef finishing, dairy heifer, and farm accounting. She participated on conduct of meetings, supervised occupations, BOAC, and banquet committees as well as dairy foods and parliamentary procedures teams.

A past member of the state's FFA band, Harnish has earned the Greenhand, Chapter Farmer, and Red Rose degrees. She is a member of the Solanco High School marching band, orchestra, and concert band; National Honor Society; and Mennonite Church.

Harnish is interested in sewing, hiking, cooking, cross-stitching, and basketball. After graduation she plans to pursue a career in agriculture.

Shawn Hartranft

Currently vice president of the Eastern Lebanon County FFA chapter and secretary for the county FFA organization, Shawn Hartranft also has served her chapter as assistant secretary.

(Turn to Page D21)

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Pennsylvania Applauds

(Continued from Page D20)

Hartranft, the 17-year-old daughter of Barry and Doris Hartranft of Newmanstown, has had projects in vegetable, poultry, and sheep production. She has worked on the community service, state and national participation, scholarship, public relations, BOAC, and long-range planning committees.

A member of St. Lukes Lutheran Church, Hartranft enjoys nature, walking, sports, and crafts. After graduation from high school she hopes to work in a flower shop or some other agribusiness.

Joe Hazlett

This 18-year-old from Linesville is the secretary of the Linesville FFA chapter and president of the Crawford County FFA organization. Previous to his secretarial position Joe Hazlett was sentinel for his chapter.

The son of Barb and Bill Cummings, Hazlett has earned the Greenhand and Chapter and County Farmer degrees. He has had projects in dairy calves, poultry, and home garden and participated on the FFA basketball team and cider and petting zoo committees.

Hazlett attended the PAFC One-Day Institute as well as the UPJ Leadership Conference. He enjoys fishing and hunting and plans to receive more schooling in draftsmanship.

Cecil D. Hedrick

Swine breeding and finishing are the projects on which Cecil D. Hedrick has been involved. He also has had work-experience projects both on and off the farm.

The 16-year-old son of Dennis and Geraldine Hedrick of Delta, Hedrick has earned the Greenhand, Chapter Farmer, and White Rose degrees. He was named the York Fair Outstanding FFA Boy and was part of the Kennard-Dale FFA chapter's parliamentary-procedure team, which won a silver medal in 1987 and a gold medal this year in the state competitions.

Hedrick is currently president of his chapter; last year he was the vice president. He also is sentinal for the county organization. He has worked on the banquet committee, serving as assistant chairman during one year.

Interested in showing beef cattle, hunting, and playing tennis, Hedrick is a member of the Airville 4-H Club and the York County Baby Beef Club. Upon graduation, he hopes to become an auctioneer.

John Hemminger

The third member of his family to receive the Keystone Farmer degree, John Hemminger also has earned the Greenhand and Chapter Farmer degrees.

Hemminger, the 18-year-old son of James and Virginia Hemminger of Somerset, has had projects in dairy cows and calves. He worked on the banquet, fruit sales, and fair booth committees.

A member of the Somerset High School's varsity wrestling and cross country track teams, Hemminger enjoys skiing, hunting, and fishing. After graduation from high school, he hopes to work on a farm.

Tim Hemphill

Tim Hemphill has earned the Greenhand and Chapter Farmer degress and served the Pennsylvania Headwaters FFA chapter as student advisor and reporter.

The 17-year-old son of Charles and Carolyn Hemphill of Genesee, Hemphill has competed in public speaking, forestry, tractor safety, and dairy judging. He is a member of the Ag Co-op and enjoys four-wheeling, hunting, fishing, and bowling. He plans to become a small-engine mechanic or dairy herdsman after graduation.

Robert W. Henning

The 21-year-old son of John and Janet Henning of Waynesboro, Robert W. Henning has served the Blue Ridge FFA chapter as student advisor, vice president, and reporter.

Henning earned the Chapter and County Farmer degrees and received the Star Greenhand award. He has had projects in sheep production and on-farm work experience. After graduation he plans to own and operate a small farm.

Diane E. Hershberger

The 18-year-old daughter of Robert and Martha Hershberger of Quarryville, Diane E. Hershberger is the third member of her family to receive the Keystone degree.

She is a fourth-year member of the Solanco FFA Chapter, is the chapter reporter, and has served her chapter as secretary. In addition, she is the Lancaster County FFA secretary and was a member of the state's FFA chorus.

Hershberger, the Lancaster County Alternate Dairy Princess, has had projects in dairy herd and swine finishing. She served on the conduct of meetings, state activities, banquet, and supervised occupation committees. She has earned the Red Rose degree. Hershberger also is a member of the Solanco High School's mixed chorus and the Mechanics Grove Church of the Brethren.

Outside of school Hershberger enjoys baking, showing dairy animals, and public speaking. Upon graduation she plans to work in an agribusiness.

John Hess

John Hess has served ed the Manheim FFA chapter as president and the county organization as treasurer. He worked on the pizza stand, leadership, scholarship, and Kansas City committees.

The 18-year-old son of John and Sue Hess of Manheim, Hess earned the Greenhand, Chapter Farmer, and Red Rose degrees. He took first place in the state public-speaking and land-judging competitions and showed the grand champion steer at the Manheim Farm Show.

Hess is a member of the Manheim Central High School's drama club, chorus, band, and concert and marching bands as well as being a 4-H'er. After graduation he would like to have a job in agriculture.

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MINIMUM VENTILATION INLET

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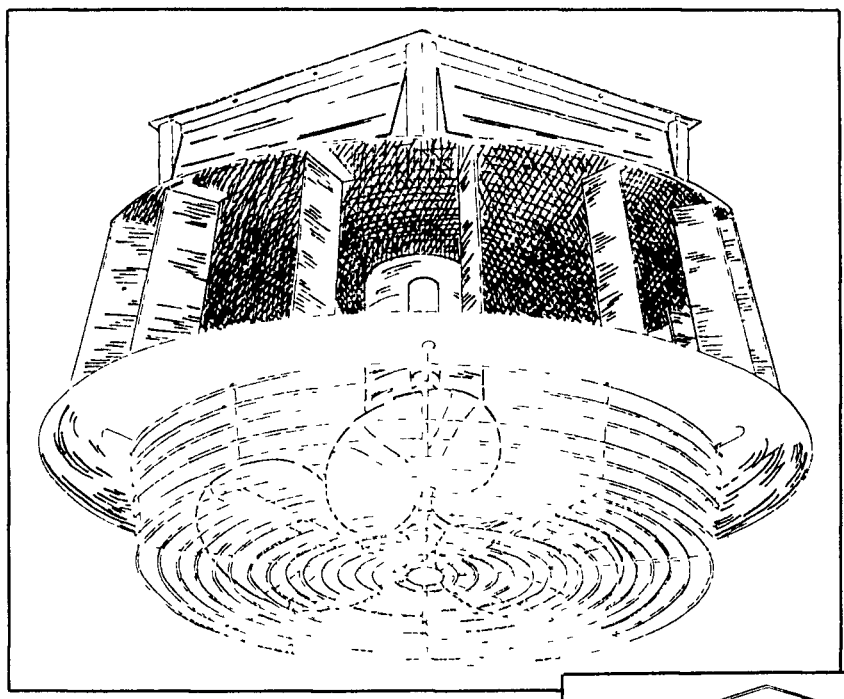

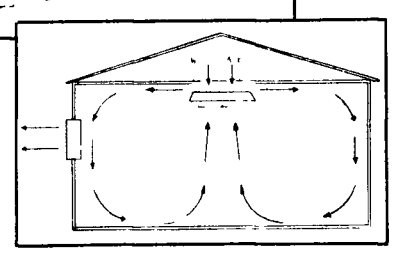

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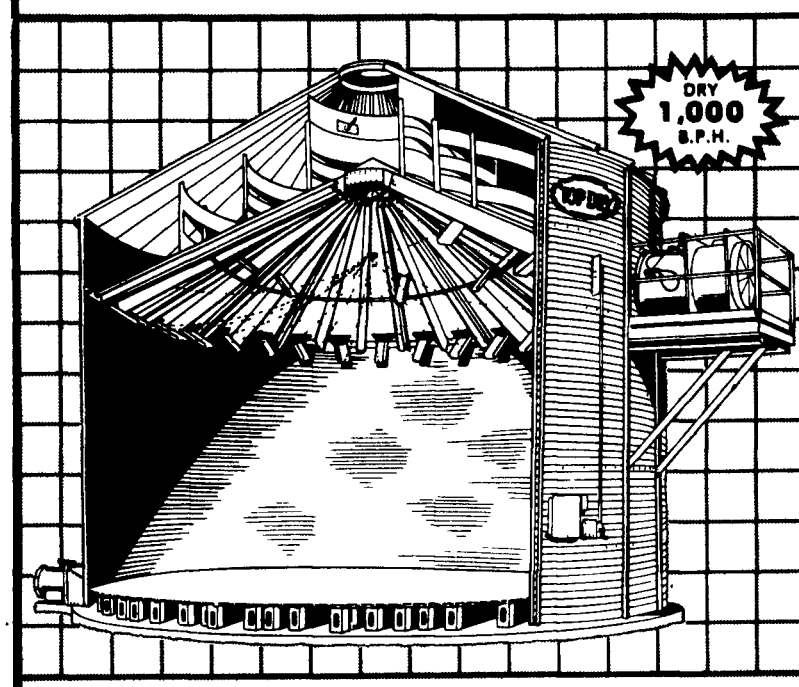

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Pennsylvania Applauds

(Continued from Page D21)

John Hess

The 18-year-old son of John and Bonnie Hess of Gettysburg, John Hess is a fourth-year member of the Conewago FFA chapter. He has had projects in dairy cows and heifers as well as on-farm work experience.

Hess is president of his chapter and reporter for the county FFA organization. He has served on the executive and leadership committees. He earned the Greenhand and Chapter and County Farmer degrees and received the Star Chapter Farmer and L. Kratzert awards as well as proficiency awards in dairy and work experience. In addition he was named the South Central Region Star Agribusinessman.

A member of the Pennsylvania Farmers Association, Hess is interested in motorcycles, all-terrain vehicles, monster trucks, and mud bogging. After graduation from high school he plans to attend college for a degree in mechanical engineering or become a farm manager or herdsman.

Susan T. Hollenbach

Susan T. Hollenbach, the 18-year-old daughter of Carl and Carolyn Hollenbach of Shoemakersville, has had dairy-herd and off-farm work-experience projects.

She has served the Hamburg Area FFA chapter as chaplain and secretary and the Berks County FFA organization as historian. She has worked on the King Frost Parade float, faculty breakfast, chapter banquet entertainment, and citrus sales committees.

Hollenbach has earned the Greenhand and Chapter Farmer degrees and received the 1988 graduation award for outstanding FFA leadership skills from the Strausstown Society of Farm Women. She is a member of the Northern Berks 4-H dairy club, American Guernsey Cattle Club, Shartlesville Grange, Zion's Blue Mountain United Church of Christ, and the Berks County 4-H dairy-judging team, which placed first in 1986.

Interested in skiing, bowling, horseback riding, swimming, and camping, Hollenbach is attending Penn State and hopes to receive a horticultural degree. She plans to use it as a flower-shop owner.

Bryonna L. Ianson

The 17-year-old daughter of R. Byan and Donna L. Ianson of Middlebury Center, Bryonna L. Ianson has had projects in corn and oats production, steers, and beef breeding.

She is the president of the Cowanesque FFA chapter, prior to which she served as treasurer and vice president. She earned the Chapter and County Farmer degrees and was a delegate to the national FFA convention. She has particiapted in the savings committee, FFA Week, and parliamentary-procedure, conservation-speaking, and creed-speaking contests.

Ianson is a statistician for the Cowanesque Valley High School wrestling team, secretary and treasurer of the UMYF, and reporter for the Girl Scouts. She enjoys collecting stamps and coins, fishing, hunting, and participating in church activities. After high school graduation she plans to attend Mansfield University.

Ivan Horner

The 17-year-old son of Ivan and Judy Horner of Linesville, Ivan Horner has had projects in beef finishing, small grains, and comproduction.

Horner is currently treasurer of the Linesville FFA chapter prior to which he was secretary. He has worked on the petting zoo, citrus, and nativity scene committees.

He has earned the Greenhand and Chapter and County Farmer degrees amd received the Star Crop Farmer award. Horner has attended the PAFC One-Day and Summer institutes. He enjoys repairing enginges in his spare time and hopes to attend the Ohio Auto Diesel Technical School.

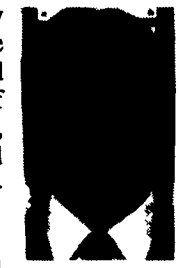
Bruce Horning

A fourth-year member of the Cloister FFA chapter, Bruce Horning has received the Greenhand, Chapter Farmer, and Red Rose degrees. He also has received the Agribusinessman award.

Horning, the 18-year-old son of Reuben and Sarah Ann Horning of Lititz, has served his chapter as treasurer and chaplain and worked on the cooperation, food stand, and executive committees. He is a member his church's youth group.

Interested in sawing firewood, reading, and working outside, Horning plans to become a dairy farmer after high school.

Bill Houseknecht



Bill Houseknecht has served the Troy FFA chapter as vice president and worked on the program of work, budget, BOAC, citrus, recreation and student conduct committees.

The 17-year-old son of Charles and Patricia Houseknecht of Columbia Crossroads, Houseknecht has earned the Chapter and County Farmer degrees and received the Star Greenhand award.

Houseknect enjoys hunting, fishing, and trapping. After graduation he hopes to work with his father on the family dairy farm.

(Turn to Page D26)

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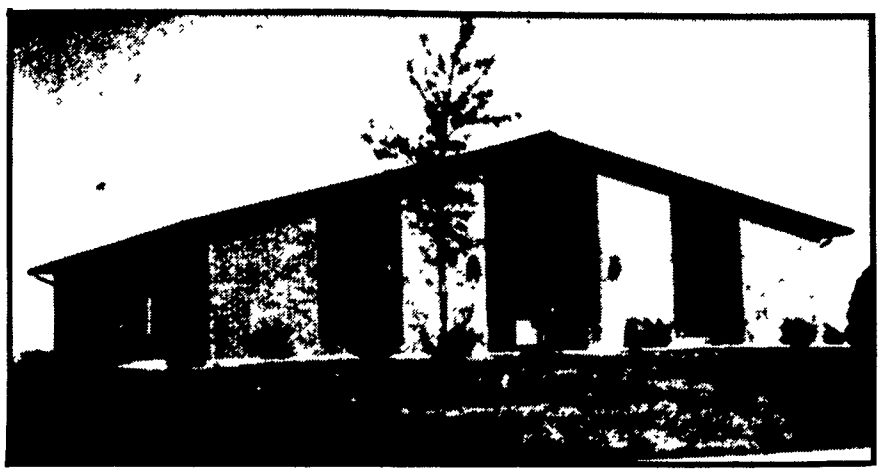

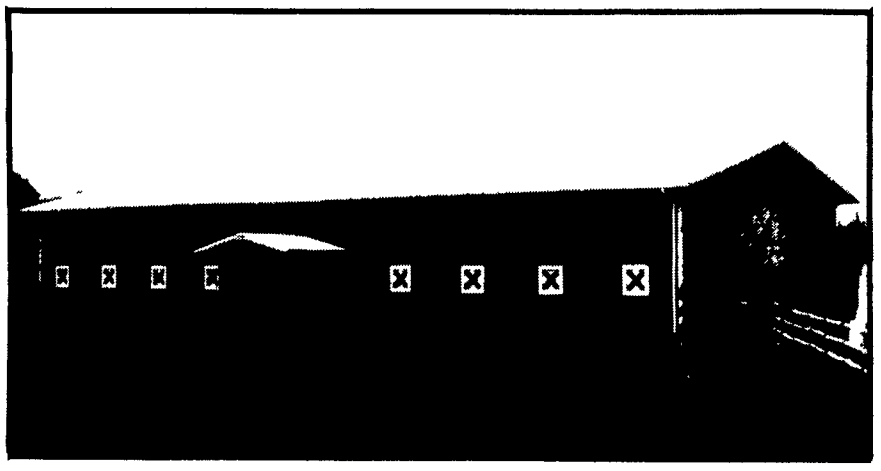

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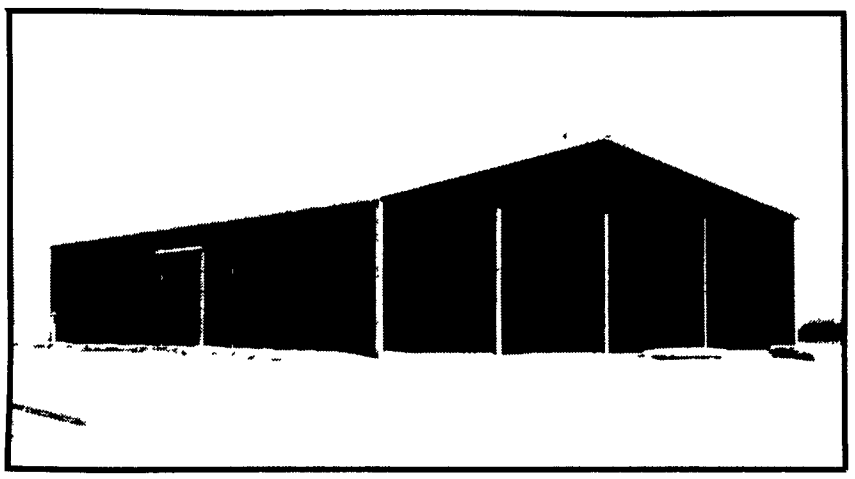

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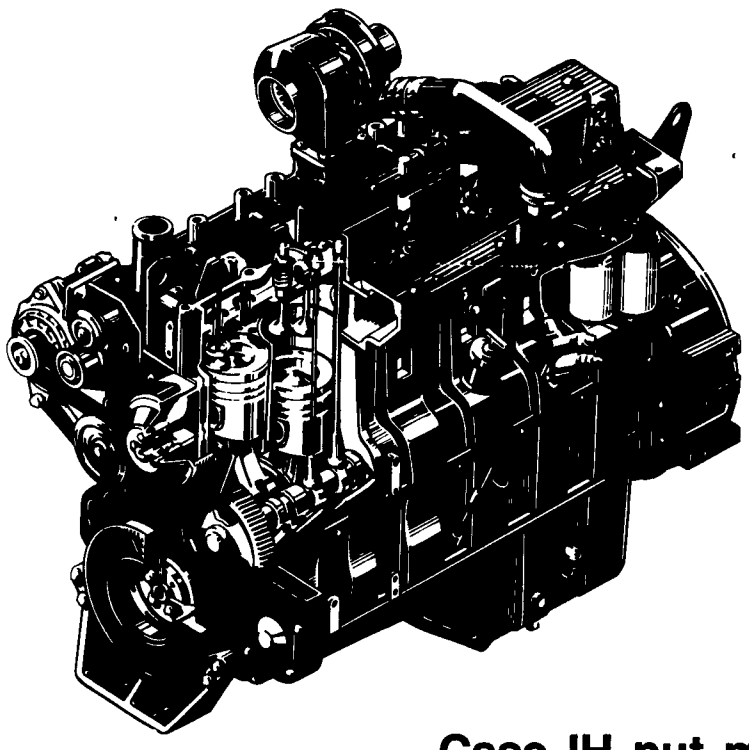

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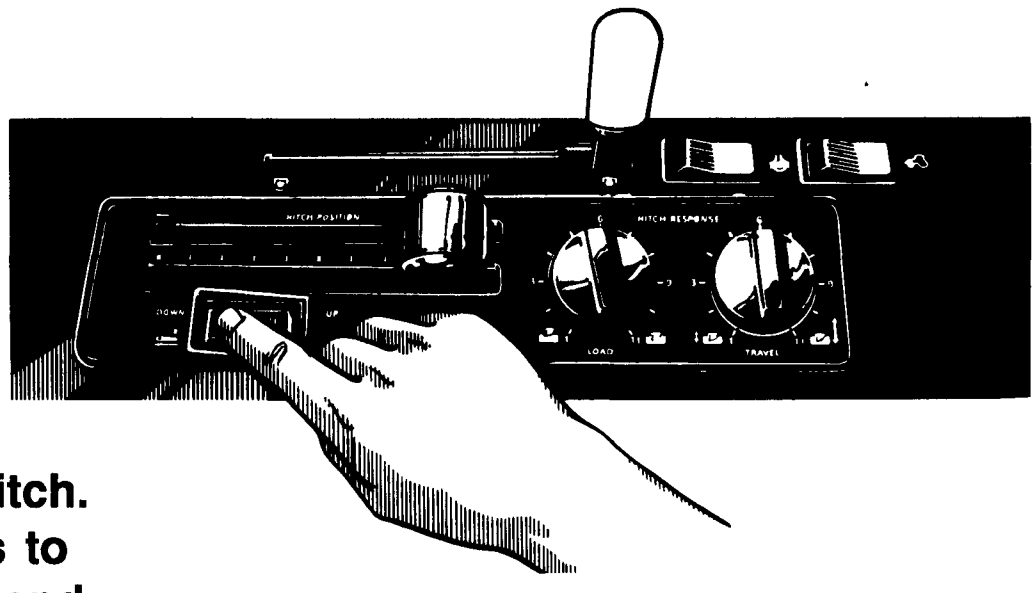

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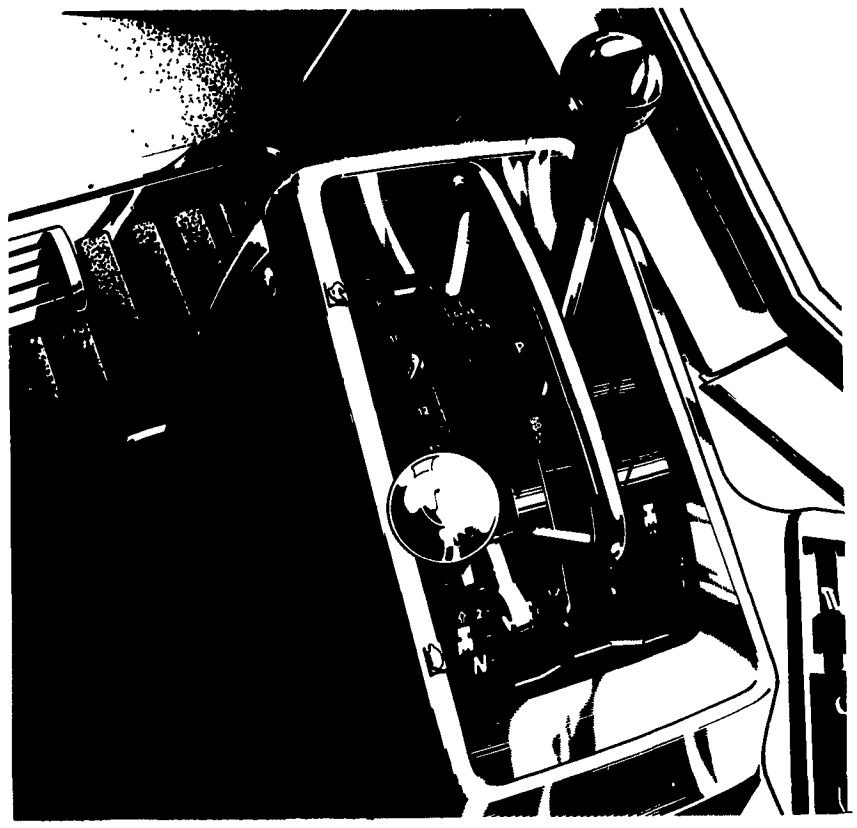

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Pennsylvania Applauds

(Continued from Page D24)

Steve L. Jewell

A fourth-year member of the Mercer Cross Roads FFA chapter, Steve L. Jewell has served his chapter as sentinel and chaplain. He also has worked on the banquet commitee.

Jewell, the 17-year-old son of Carl and Nancy Jewell of Mercer, has earned the Chapter and Area Farmer degrees. In addition, he received the Star Greenhand and creed-speaking awards. He is a member of the Mercer Area High School's jazz, marching, and Dixieland bands.

Interested in hunting, bicycling, and lifting weights, Jewell plans to attend Slippery Rock University after high school graduation.

Mark E. Kahlbaugh

Mark E. Kahlbaugh has had work-experience projects both on and off the farm. The 18-year-old son of Oren E. and Linda D. Kahlbaugh of McDonald, Kahlbaugh has served the H.G. Parkinson FFA chapter as student advisor.

Kahlbaugh has earned the Greenhand and Chapter and County Farmer degrees and received a proficiency award in ag production. In addition he was a first-place winner in the county forestry contest and a member of the two-time winning livestock-judging team on the county level. He won a blue award in the county project book contest and a third-place gold medal in the state project book competition.

Interested in raccoon and small game hunting and riding all-terrain vehicles, Kahlbaugh plans to work on a livestock or dairy farm after high school graduation.

Robert C. Kearney

A 17-year-old member of the Brockway FFA chapter, Robert C. Kearney has had projects in beef and dairy cattle, swine, corn, small grains, and hay. He has earned crop and beef production awards as well as the Greenhand and Chapter Farmer degrees.

Kearney, the son of Mr. and Mrs. Charles R. Kearney of Brockway, is secretary for his chapter and chairs the land-judging committee. Other committees to which he belongs include safety, baanquet and BOAC.

He is a member of the Brockway Area High School football team, varsity club, and art club plus the Polled Hereford Association. Kearney was on the 1988 prom committee, sells yearbook space, and was a dairy ambassador.

After graduation, Kearney plans to attend Penn State and get a major in pre-veterinary science.

Heather L. Keener

Dairy herd, breeding sheep, market lambs, and wildlife conservation are the projects on which Heather L. Keener has been involved.

The 17-year-old daughter of Russell Minor and Janet F. Keener of W. Alexander, Keener is vice president of the McGuffey FFA chapter and president of the Washington County FFA organization. The previous offices she has held include chapter sentinel and county secretary. Among the committees on which she has worked include banquet, recreation, citrus, and leadership. She has chaired several committees.

Keener earned the Chapter and County Farmer degrees and received proficiency awards in public speaking and dairy production. She also has participated in several county-level contests.

A member of the McGuffey Young Farmers Associaton, Claysville Grange, Kids & Kows 4-H club, and the McGuffey High School softball team, Keener enjoys showing dairy cattle, playing softball, and working with her animals. After graduation from high school she plans to attend college to become a dairy specialist and county cooperative extension agent. Some day she hopes to own and operate her own dairy and sheep farm.

Bobbi Jo Keiter

The 17-year-old daughter of Robert and Doris Keiter of Newville, Bobbi Jo Keiter has had projects in breeding and market sheep and breeding and market hogs.

Keiter is president of the Big Spring FFA chapter and has chaired the leadership committee. She earned the Greenhand and Chapter and Area Farmer degrees and received the Star Greenhand award. In addition, she was named the chapter's outstanding member.

She is a member of the Big Spring High School's basketball, Powder Puff football, and track teams and the local 4-H sheep and swine clubs. Interested in reading and showing animals, Keiter plans to attend college after high school graduation.

Doug Keller

Soybean, corn, hay, and oat production are the projects on which Doug Keller has worked. He has received a proficiency award in crop production as well as the Diversified Crop award in 1986 and '87.

The 17-year-old son of Carl Keller Sr. of Gettysburg, Keller has earned the County Apple degree. He is the seventh member of the Keller to receive the Keystone Farmer degree.

Keller enjoys hunting and after high school graduation hopes to work with his family on their crop farm.

Joseph Kelly

Joseph Kelly has served the Northern Bedford FFA chapter as vice president and has worked on the SOE, cooperative, community service, scholarship, state and national activities, and earnings, savings, and investments committees.

The 17-year-old son of Joseph and Althea Kelly of Woodbury, Kelly has had projects dairy, poultry, corn, alfalfa, and hay production. He earned the Greenhand and Chapter Farmer degrees and received the Star Greenhand and Star Chapter Farmer awards plus the area farming program award. In addition he competed in creed- and conservation-speaking contests on the county, area, and regional levels. In conservation speaking, he advanced to the state contest. Kelly also has participated in record-keeping contests.

Kelly is a member of the Northern Bedford High School's horticulture and conservation clubs. He enjoys bowling and showing dairy cattle. Upon graduation he plans to attend college and some day own his own dairy herd.

Ron Kerstetter

Ron Kerstetter is a fourth-year member of the Greenwood FFA chapter. He has served as the chapter's chaplain and reporter as well as chairman of the recreation and ESI committees and the Matt Polski Memorial Project.

Kerstetter has earned the Greenhand and Chapter Farmer degrees and is interested in hunting and fishing. He plans to go into the military service after graduation.

Lisa Kimball

A fourth-year member of the Twin Valley FFA chapter, Lisa Kimball has been the county delegate to the state FFA convention. She also has served on the pumpkin contest committee.

The 18-year-old daughter of Mr. and Mrs. Ira Kimball of Elverson, Kimball has participated in county and state recordbook contests; horse, dairy, and livestock juding; Ag Day Breakfast; tree planting for the state Game Commission; Hay Creek festival; and Blue Mountain Co-op Institute.

After graduation Kimball plans to become a veterinarian's assistant.

Stephen K. Kiner

This 18-year-old student at Lower Dauphin Senior High School is the president of the Lower Dauphin FFA chapter. He assumed this position after serving as treasurer and assistant historian.

Kiner, the son of Stephen and Cynthia Kiner of Middletown, has earned the Greenhand, Chapter Farmer, and C.D.P. Area Farmer degrees and received the Star Greenhand, Star Farmer of Dauphin County, and wildlife and outdoor recreation proficiency awards.

Earnings, savings and investment, scholarship, alumni relations, leadership, and meeting conduct are the committees to which Kiner belongs. He has attended the PEEC, CDP Leadership Training, and Washington conferences plus the national FFA convention. His projects include SAE, wildlife conservation, and work experience.

Kiner is a member of the high school's senior class council, Model United Nations, Students Against Drunk Driving, Harrisburg Church of God youth group, football team. He also is a boy scout leader. He enjoys playing sports such as football, hockey, baseball, and basketball, reading, playing the guitar, camping and woodworking.

After graduation Kiner plans to attend college and major in ag business with a minor in marketing.

Stacey Klinger

Stacey Klinger has served as the State College Little Lions FFA chapter parliamentarian and chaired the Farm Tractor Safety Program with Penn State.

The 17-year-old daughter of Allen and Gretchen Klinger of Boalsburg, Klinger had dairy-heifer projects and was a member of the dairy- and livestock-judging teams. She has earned the Greenhand and Chapter and County Farmer degrees and received a bronze award in the state meats judging competition, first place in the soil conservation public-speech contest, and the electronics foundation award.

Klinger has participated in the 1987 JMC co-op program and chaired the program in 1988. She is involved in square dancing and enjoys bicycle riding. After graduation she plans to continue working on a farm and perhaps attend college for a degree in dairy production.

Robert Krill

The 16-year-old son of Guy and Geraldine Krill of Myerstown, Robert Krill has participated on the BOAC, banquet, and recreation committees for the Tulpecken FFA chapter. In addition he has sold citrus, bulbs, and seeds, and had supervised farming, leadership, and conduct of meeting committees.

Krill has served as sentinel and junior advisor; he has won the beef proficiency and high seed sales awards. He belongs to the hunting and fishing club and enjoys hunting, fishing, biking, swimming, motorcycling, football, and basketball.

After graduation he plans to become a truck driver.

Andrew Kushma II

Andrew Kushma II is the 17-year-old son of Andrew and Eliabeth Kushma of Edinburg. He has served the Mohawk FFA chapter as reporter and chapter delegate and currently is president.

He belongs to committees such as crop, Food for America, FFA Week, door prize, Farm Science Review, Corn Day, and citrus. He is on the square dance team and participated on the demonstration and parliamentary procedure teams.

Kushma is the manager of the high school's track and football teams and is a member of Boy Scouts and the Mahoning Presbyterian Church. He enjoys collecting miniature farm equipment. Upon graduation Kushma will attend college or an agricultural technical school.

Jimmy Ladesic

A recipient of the Greenhand and Chapter Farmer degrees, Jimmy Ladesic is the 17-year-old son of Mr. and Mrs. James Ladesic of New Castle.

He belongs to the crop, Food for America, and citrus committees and has been reporter and chaplain for his Mohawk FFA chapter. Ladesic won a gold medal for his project book and was on the sixth-place parliamentary procedure team. He is a trainer for the Mohawk High School football and track teams.

Ladesic enjoys water skiing, fishing, and boating. He plans to attend college and major in physical therapy.

Beth Larr

A third-year member of the Captain Jack FFA chapter, Beth Larr has had projects in pleasure horses and market lambs. She has participated in land- and horse-judging competitions and attended the Mid-Summer and -Winter FFA conventions.

Larr, the 18-year-old daughter of George and Terry Larr of Newton Hamilton, has served her chapter as reporter and worked on the fruit sales, Halloween Parade, banquet, and executive committees. She also has chaired the scrapbook committee.

She has earned the Greenhand and Chapter Farmer degrees and received three gold medals in project-book contests. In addition, Larr was the regional co-op winner.

A member of the 4-H horse club, County Council, and lamb club, Larr also is involved in the Methodist Church and Penn State Block and Bridle Club. Larr enjoys horseback riding, training and showing horses, cheerleading, and playing in the Mount Union Area High School band.

After high school Larr would like to attend Penn State for a degree in agriculture and eventually manage a livestock operation.

(Turn to Page D27)

Pennsylvania Applauds

(Continued from Page D26)

Chad Lawyer

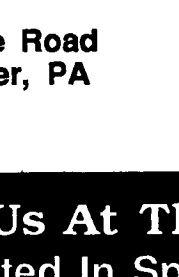
Beef finishing and breeding, dairy heifers, and crop production are the projects on which Chad Lawyer has been involved. He also earned on-farm work experience.

The 17-year-old son of Arthur and Rosetta Lawyer of New Oxford, Lawyer has served the Conewago FFA chapter as sentinel and vice president. He has worked on the executive and leadership committees and served a term as sentinel for the Adams County FFA organization.

Lawyer received the Star Greenhand, Star Chapter Farmer, and Star County Agribusinessman awards. He also received the John L. Kraziert award, a proficiency award in ag mechanics, and a placement in ag production award.

A member of the Pennsylvania Farmers Association, Lawyer enjoys mud bogging and riding racing bikes. His plans for the future include graduation from high school and a four-year stint in the Navy. He hopes to learn a mechanical trade while in the Navy.

Dan Lefever



A fourth-year member of the Manor FFA chapter, Dan Lefever has earned the Greenhand, Chapter Farmer, and Red Rose degrees.

Lefever, the 17-year-old son of Mr. and Mrs. Richard Lefever of Pequea, has work experience project in tobacco production. He has worked on his chapter's banquet committee.

After graduation from high school, Lefever plans to work as a mechanic.

Brian L. Lehman

Brian L. Lehman has been involved in projects such as swine breeding and finishing and veal- and dairy-calf production.

Lehman has served the Cumberland Valley FFA chapter as sentinel and secretary and worked on the small-engines, bulletin-board, Spring fund-raiser, and tractor-driving committees.

The 17-year-old son of Carl and Maben Lehman of Mechanicsburg, Lehman has participated in tractor driving and wildlife contests during FFA Activities Week and has received a profieciency award for swine production as well as a creed-speaking award.

Lehman is intested in archery, hunting, and fishing. After high school graduation he plans to attend college and then manage a dairy farm.

David J. Lentz

David J. Lentz has served the Northern Lebanon FFA chapter as treasurer and vice president and the Lebanon County FFA organization as sentinel. He has worked on the work experience committee and chaired the dairy-judging committee.

The 17-year-old son of Robert R. and Sandra L. Lentz of Lebanon, Lentz has had a dairy herd project for three years. He has received the Star Greenhand and Star Chapter Farmer awards and won first place at the Eastern States Exposition Dairy Judging Contest.

Lentz is a member of the Northern Lebanon High School's wrestling team, his church's volleyball team, the Lebanon County 4-H dairy judging team, Norlebco 4-H dairy club, and the Lebanon County Junior Holstein Association, of which he is president.

Playing volleyball and judging cows are Lentz's hobbies. After graduation he plans to attend Penn State and then seek a job as an artificial inseminator.

Mike Lindenmuth

The 18-year-old son of Jerry and Betty Lindenmuth of New Holland, Mike Lindenmuth has earned the Red Rose degree and received the nursery-management proficiency award.

Lindenmuth was a member of the 1987 state-championship parliamentary procedure team. He participated on the earnings, savings, and investments committee and chaired the BOAC committee. Last year he was a delegate to the national FFA convention.

Wildlife management and off-farm work experiences were Lindenmuth's projects. He is a member of a ice and street hockey team, as well as softball and volleyball teams. After graduation from high school he plans to attend Penn State for two years in a nursery-mangement course.

Jerome Litz

Jerome Litz was reporter for the Northern Lebanon FFA chapter for two years. He also was vice president for the county FFA organization. He was named outstanding junior in agriculture last year.

The 17-year-old son of Jon R. and Jo Ellen Litz of Jonestown, Litz has had projects in poultry, horticulture, and work experience. He was a member of his chapter's parliamentary procedure team.

Litz is a member of the National Honor Society, Who's Who in American High School Students, Students Helping Aid the Disabled and Elderly, Peer Counciling, and the Board of the Trinity United Methodist Church.

He currently is enrolled in the College of Agriculture at Penn State and would like to eventually teach vocational agriculture.

Troy Lobaugh

Troy Lobaugh, the 17-year-old son of Charles and Anita Lobaugh of Aspers, is a fourth-year member of the Apple City FFA chapter. He has served as chapter treasurer and vice president and treasurer for the county's FFA chapter.

Lobaugh has had projects in beef growing, swine breeding and finishing, and SOEP. He chairs the seed corn sales committee and attended the AIC Conference. In addition he won a gold medal at the national FFA convention in ag mechanics.

Upon graduation Lobaugh, who enjoys motor sports, hunting, and fishing, plans to become an automotive mechanic.

Bryan Lukehart

Sheep production, lamb finishing, dairy, swine breeding and finishing, and livestock judging are some of the projects that Bryan Lukehart has completed as an FFA'er.

The 18-year-old son of Cheryl and Edmund Lukehart of Marion Center, Lukehart has won numerous awards for showing livestock at the Indiana County Fair; junior champion and reserve junior champion Jersey titles at the District FFA Dairy Show; champion sheep showman at the Indiana County Fair; and awards for tractor driving.

Lukehart has earned the Greenhand and Chapter Farmer degrees as well as Star Greenhand, Star Chapter Farmer, and chapter proficiency awards. He has served on several committees such as Food for America, banquet, BOAC, and FFA fund raiser.

He is involved in 4-H and the Marion Center Area High School track team. Interested in hunting, sports, and recreational vehicles, Lukehart plans to pursue a career in the agricultural industry.

(Turn to Page D28)

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Pennsylvania Applauds

(Continued from Page D27)

Kent Maben

A five-year FFA member, Kent Maben has had projects in dairy cows and work experience.

Maben, the 19-year-old son of Luther and Janet Maben of Thompsontown, has served the Juniata FFA chapter his chapter as chaplain, treasurer, and president.

Maben is interested in riding motorcycles, hunting, and fishing. This past summer he worked on a combine crew in the Midwest. After graduation from high school he plans to become a dairy farmer.

Amy L. Martin

The 17-year-old daughter of Al and Linda Martin of Drumore, Amy L. Martin currently is serving the Solanco FFA chapter as secretary. She belongs to committees such as leadership, public relations, banquet, BOAC, and float.

Martin's projects include swine breeding and finishing, home garden, dairy calf, and potatoes. She has participated in dairy foods and dairy cattle judging contests and public speaking competitions.

Martin has attended the Pennsylvania Governor's School for Agriculture, was a member of the state FFA band, and earned the Red Rose degree. She is a member of the National Honor Society; Solanco High School band, orchestra, and concert band; 4-H; Donegal Presbytary Youth Council; Chestnut Level Presbyterian Church; and Girl Scouts.

After graduation, Martin plans to major in agricultural and extension education at Penn State.

Jeffrey Martin

Jeffrey Martin has raised and shown breeding sheep and market lambs at many local fairs. In addition, he has gained work experience while working for the Lancaster County DHIA.

Martin, the 17-year-old son of John A. and Marilyn Martin of East Earl, has served the Grassland FFA chapter as second vice president and president. He also served a term as student advisor for the county FFA organization. He earned the Greenhand, Chapter Farmer, and Red Rose degrees.

Martin was a candidate for the Regional Star Farmer, and he received proficiency awards in horse and sheep production and sales and service. He participated in the judging competition at the Keystone International Livestock Exhibition as well as the Block and Bridle judging contest. Martin also served as the vice president on the second-place state parliamentary procedure team, was a local delegate to the national FFA convention, and attended the American Institute of Cooperation Convention this year.

Hunting and skiing are Martin's interests and he is a member of his church's youth group. After graduation he plans to obtain a full-time job.

Jenette Martin

The 17-year-old daughter of Sanford and Mae Martin of Ephrata, Jenette Martin's projects consisted of a garden, veal calf, and work at Hurst's Produce and Martin's Country Market.

Martin has been president of the Cloister FFA chapter and served on the window display, SOEP, recreation, Ag in the Classroom, banquet, and state handbook committees. She earned the Greenhand and Chapter Farmer degrees and received the Star Greenhand and Star Chapter Farmer awards as well as a proficiency award in home and garden production.

Treasurer of the Youth Education Association, she also is involved in the Ephrata Area High School's ski club. She enjoys skiing, working on computers, bicycling, drawing, camping, and being on Puppets in Christ. Upon graduation from high school she would like to find a career associated with animals.

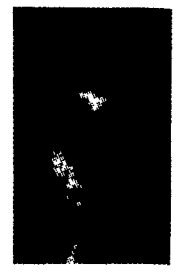
Shaun Martin

Shaun Martin has had projects in horses, rabbits, and work experience.

The 17-year-old son of Forrest and Nancy Martin of Annville, Martin has served the Little Dutchmen FFA chapter as historian. He also worked on the citrus and field committees. He earned the Greenhand and Chapter and County Farmer degrees. Martin was named Regional Star Agribusinessman.

Martin enjoys hunting, horseback riding, and being a volunteer fire fighter. He hopes to become an agricultural mechanic or dairy farmer after graduation from high school.

Glenn W. Maust



The 17-year-old son of Willard and Ella Maust of Meyersdale, Glenn W. Maust has served the Mount Davis FFA chapter as vice president.

Maust raised dairy calves and cows as well as market hogs for his chapter projects. He also participated in FFA basketball and volleyball.

In his spare time, Maust enjoys hunting and fishing. After graduation he plans to become a dairy or hog farmer.

Gordon R. McKee

In 1985 Gordon R. McKee was named the Outstanding Swine Club member of the Big Valley FFA chapter. In addition, he was named the Bell of Pennsylvania's Outstanding Citizen award in 1986.

McKee, the 20-year-old son of Stanley and Evelyn McKee of McVeytown, received the Star Chapter Farmer award in 1986. He served his chapter as president and vice president and was on the officers team. His projects consisted of beef, swine, and dairy animals, which he showed at local fairs.

A member of the Penn State Block and Bridle Club, McKee is interested in hunting, trapping, shooting, and attending sprint-car racing. After graduation he plans to work in the agricultural field and one day take over the family farm.

(Turn to Page D30)

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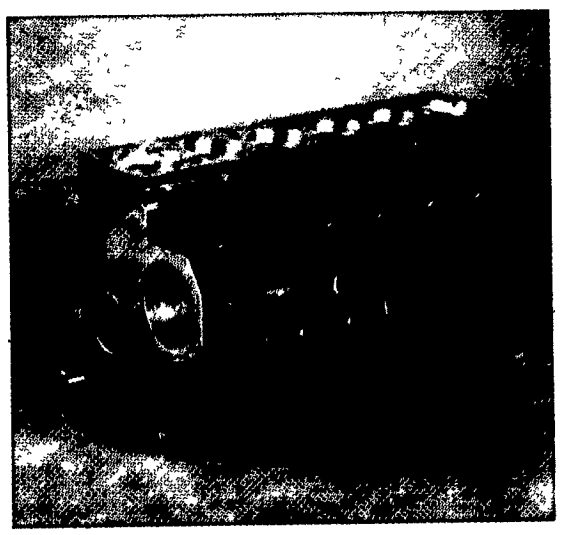

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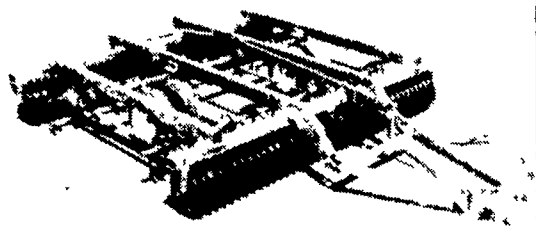

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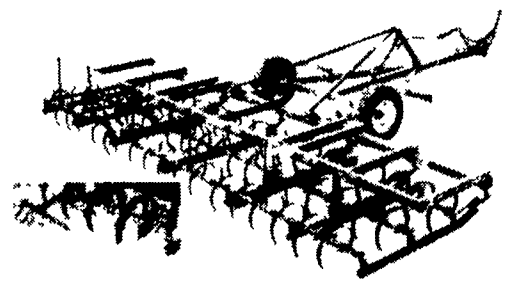

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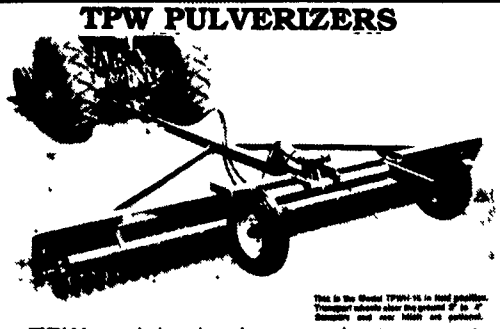

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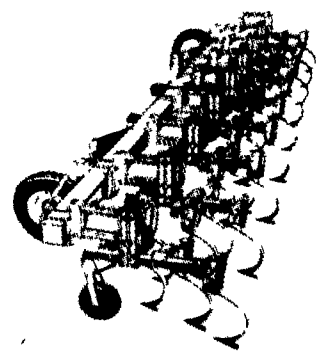

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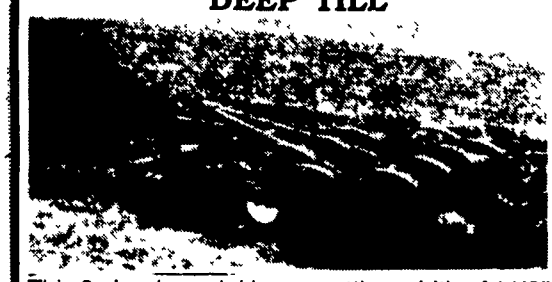

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Pennsylvania Applauds

(Continued from Page D28)

Ian J. McLaughlin

Ian J. McLaughlin has served the Cowanesque FFA chapter as sentinel and treasurer. He has earned the Greenhand and Chapter and County Farmer degrees.

The 18-year-old son of Charles and Loraine James of Westfield, McLaughlin has participated in land and forestry and livestock judging, the county record book contest, and the state Farm Show.

A member of the Cowanesque Valley High School's basketball and football teams, jazz and concert bands, and parliamentary and yearbook clubs, he enjoys sports, going on long trips, and working on cars. After graduation he wishes to attend college and join the Air Force.

Daniel R. McNutt

The fourth in his family to receive the Keystone Farmer degree, Daniel R. McNutt has served the United FFA chapter as president, reporter, and sentinel.

McNutt, the 17-year-old son of Clair and Audrey McNutt of Homer City, has participated in parliamentary procedure and land-judging contests. He also competed in extemporaneous-speaking contests and won first place on the county and regional levels and fifth place on the state level.

A member of the United High School's archery club, varsity track team, and student council, McNutt is interested in hunting, shooting handguns, and collecting knives. He plans to attend Penn State next fall and enroll in the United States Marine Corps Reserve Officer program.

David W. Metzler

David W. Metzler is a fourth-year member of the Manor FFA chapter. He has earned the Red Rose degree and received the Star Greenhand and Star Chapter Farmer awards. He also received a proficiency award in swine production.

The 17-year-old son of Daniel and Ethel Metzler of Pequea, Metzler has had projects in hog, corn, pumpkin, and tomato production. In addition he works on a dairy farm.

Metzler has been reporter for his chapter and worked on the banquet, fruit, and Ag in the Classroom committees. He is a member of the Rowlinsville Volunteer Fire Company and enjoys hunting and trapping. After high school he plans to go into some form of production agriculture.

Brian J. Meyer

Brian J. Meyer, the 17-year-old son of James and Lois Meyer of Annville, has earned the Greenhand and Chapter and County Farmer degrees.

Meyer has served the Little Dutchmen FFA chapter as assistant vice president and chaplain. He also chaired on the citrus sales and awards committees. He has participated in dairy-, livestock-, and land-judging competitions as well as extemporaneous-speaking and parliamentary-procedure contests.

Meyer is a member of the Annville-Cleona High School basketball team, the National Honor Society, and 4-H. He is interested in collecting baseball cards and raising pigs. His FFA projects included market hogs, sows, raspberries, sweet corn, cantaloupes, wildlide, and work experience.

After graduation he hopes to find a agricultural job.

James E. Miller III

James E. Miller III has received the McGuffey FFA chapter's Distinguished Service award. In addition he earned the Star Greenhand award, was top citrus salesman for two years, received the chapter's sheep proficiency twice, and was the corn husking winner.

The 17-year-old son of Shirley A. and James E. Miller of W. Alexander, Miller has had projects in sheep and beef breeding. He has served his chapter and county FFA organization as reporter. He is a member of the McGuffey Highlander marching band, 4-H County Council, Buffalo 4-H Ag Club, Ductch Fork Christian Church, McGuffey Young Farmers, National Suffolk Association, and American Cheviot Association.

Miller enjoys coin collecting, photography, and writing news articles. After graduation from high school, he would like to live on a farm and attend college to major in ag journalism or communications.

Kevin Miller

The 17-year-old son of David and Lynda Miller of Bedford, Kevin Miller is the president of the Bedford FFA chapter. He has earned the Greenhand and Chapter Farmer degrees and received the foundation medal for ag mechanics and the silver award for beef production in the Bedford, Blair, Fulton area.

Miller has had projects in beef growing and finishing and served on the citrus committee and courtesy corps. He is a member of the Junior Limousin Association and the 4-H Beef Rustlers Club. He enjoys three-wheeling and hunting.

Harold Millhimes

Beef breeding and finishing and hay, corn, wheat, and barley production are the projects on which Harold Millhimes has worked.

The 17-year-old son of Janet and Harold Millhimes of New Oxford, Millhimes is a fourth-year member of the Conwago Valley FFA chapter. He has earned the Greenhand and Chapter and County farmer degrees as well as proficiency awards in beef and crop production.

In the future, Millhimes would like to become a dairy farmer.

Heath Mooney

A third-year member of the West Greene FFA chapter, Heath Mooney has been involved with the community and public relations committees. He has earned the Greenhand and Chapter Farmer degrees.

Mooney, the 17-year-old son of James and Barbara Mooney of Sycamore, has had sheep breeding projects. He is interested in riding dirt bikes in his spare time and hopes to continue breeding sheep after high school graduation.

Danny Musser

Danny Musser, the 18-year-old son of Kimberly and Mary Lou Musser of Gettysburg, has earned the Greenhand and Chapter and County Farmer degrees.

Musser has had projects in swine and beef finishing, beef breeding, and corn, speltz, and soybean production. He received the Conewago FFA chapter's diversified livestock award for two years.

After graduation from high school Musser hopes to own his own farm and to get married.

Paul M. Musser

Paul M. Musser, a fourth-year member of the Apollo-Ridge FFA chapter, was reporter for his chapter during the previous school year. He also served on the ftuit sales committee.

The 18-year-old son of John and Olive Musser of Apollo, Musser has been involved in the work-experience program, wildlife identification, and dairy judging. He earned the Greenhand and Chapter Farmer degrees and received proficiency awards for dairy production and wildlife.

Musser is a member of the Spring Church Sportsman Club and enjoys hunting, fishing, and collecting baseball cards. Once he graduates, Musser would like to own his own sporting goods or baseball card store.

William J. Newman III

To prepare for a career in dairy farming, William Newman III played an active role in Middleburg FFA chapter.

Newman has held offices as treasurer and chapter president. His degrees and awards include Greenhand, Chapter Farmer, and SUN Area degrees; SUN Area Star Farmer, dairy state proficiency, Corn Club, and state project book awards.

Projects that helpd Newman win awards included dairy herd, Christmas trees, field corn, small grains, alfalfa hay, and work experience.

Newman was part of the following committees: earnings, savings and investments, executive, tours, and trips.

The 17-year-old participated in extracurricular activities such as the Sportsman's Club, softball team, and parliamentary procedure team.

Softball, hunting and fishing top Newman's list of hobbies. He lives with his parents, William and Mary Newman of Middleburg.

J. Douglas Nolt

The 18-year-old son of John and Lucy Nolt, J. Douglas Nolt, is part of the Grassland FFA chapter at Garden Spot High School.

His activities included work experience at Nolt's Electrical Service and chairman for the cooperation, public relations, and state and national activities committees.

He received agricultural mechanics, electrification, and home-improvement proficiency awards.

As sentinel for the team that placed second in state and county livestock and dairy judging, Nolt was named local delegate to the National FFA convention.

Cross country running, wrestling and involvement in his church youth group filled Nolt's extracurricular calendar.

Swimming, water skiing, camping, running, baseball, four-wheeling and working on cars are listed as Nolt's hobbies.

The Denver resident plans to become a welder in the near future.

Clifford Ocker

Continuing a family tradition, Clifford Ocker is the third member of his family to receive the Keystone Farmer degree. He also earned the Greenhand and Chapter Farmer degrees.

The 17-year-old son of Harvey and Lois Ocker of Greencastle, Ocker served as chaplian, secretary, and vice president of the Conococheague FFA Chapter and as the secretary and treasurer of Franklin county FFA organization.

County awards were given for his skills in parliamentary procedure and public speaking and for his project book.

FFA activities included projects in dairy heifers, beef finishing, and alfalfa and corn production.

Sports and church youth group activities filled Ocker's spare time.

Ocker plans to attend college and get a job in the agricultural business field.

George M. Ohler

George M. Ohler of Fairhope is a member of the Brothersvalley FFA Chapter.

Leadership positions held by Ohler included chapter president and vice president and Somerset County FFA treasurer.

The 17-year-old son of Mr. and Mrs. Dalton Miller worked on and off the farm for his FFA projects. He served as chairman of the Program for Work, One Acre Corn Growing Contest, and the Parents' and Members' banquet committees.

A participant of varsity football, Ohler also enjoys weight lifting, horseback riding, hunting and fishing. He plans to enter a two-year college.

Charles J. Orris

The 18-year-old son of Samuel and Bessie Orris of Port Royal, Charles J. Orris, is an active member of Juniata High School FFA.

He held positions as secretary, president and record keeper for his chapter.

He received agricultural production awards for two years and an Agribusiness award. For his dairy cow and his hay and grain projects, Orris won ribbons both at state and local shows.

Hunting, fishing and cars top Orris's hobbies. To own and operate a farm is his dream.

Brian Overmoyer

For four years, Brian Overmoyer has been an active member of the Linesville FFA Chapter. He has earned the Greenhand and Chapter and County Farmer degrees and received the Star Greenhand and Star Chapter Farmer awards.

Overmoyer provided leadership for Linesville by serving as FFA treasurer and as president. He received a scholarship pin and recognition for FFA basketball and in parliamentary procedure.

Extracurricular activities included: PAFC One-Day Institute, IUP Leadership Conference, UPJ Leadership Conference, REA Youth Tour, American Institute of Cooperation and PAFC Summer Institute.

Playing chess and working on a computer are part of Overmoyer's hobbies.

The 17-year-old-son of Daniel and Marilyn Overmoyer plans to major in economics at college.

Chad D. Payne

A fourth-year member of the Cowanesque FFA chapter, Chad D. Payne has received the chapter's proficiency award in ag sales and service.

The 18-year-old son of Alan and Judy Payne of Knoxville, Payne has participated in the national FFA convention, state Farm Show, and Alfred State shop-skills contest.

(Turn to Page D34)

"GATES"
STRONG - LIGHTWEIGHT
1 5/8" Tubing
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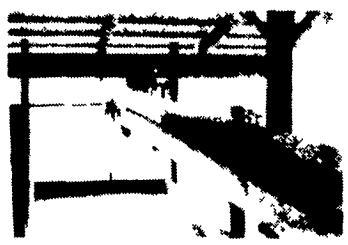

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Modern dairy and beef feedlots can be automated with the use of bunk feeders using belt feeder units Corn silage haylage high moisture corn and other feed material can be distributed quietly evenly and with no separation A traveling plow unit places the feed directly to the center of the bunk trough Simple operation and very low horsepower requirements make this **Lancaster** belt feeder popular with dairy and beef operators Rubber belt and wooden trough design keeps silage from contacting or corroding metal

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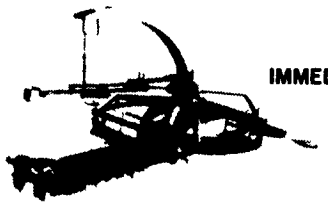

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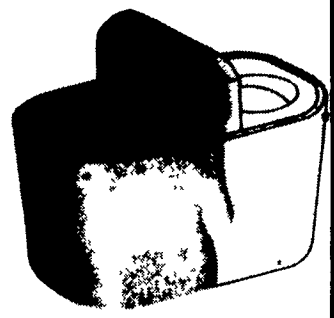

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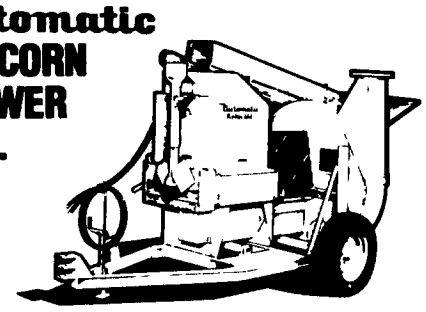

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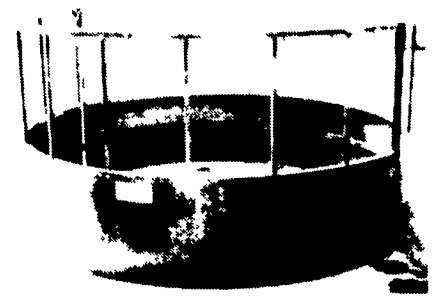

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After 30 years — still ahead of the pack

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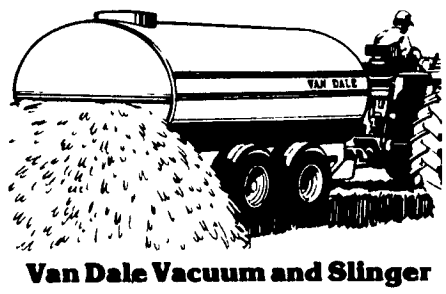
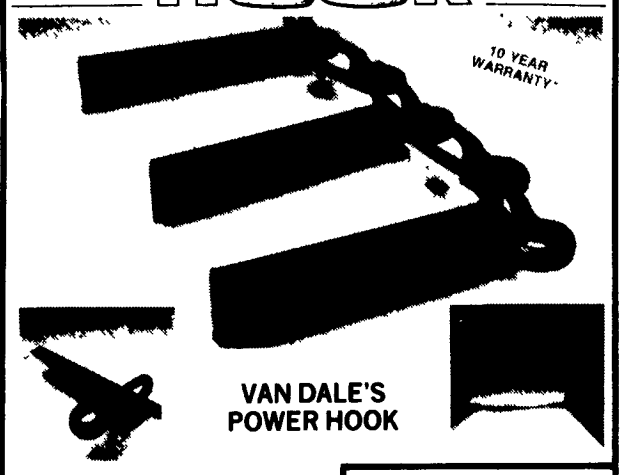


Van Dale Vacuum and Slinger tanks make waste handling quick, clean and easy.

POWER HOOK



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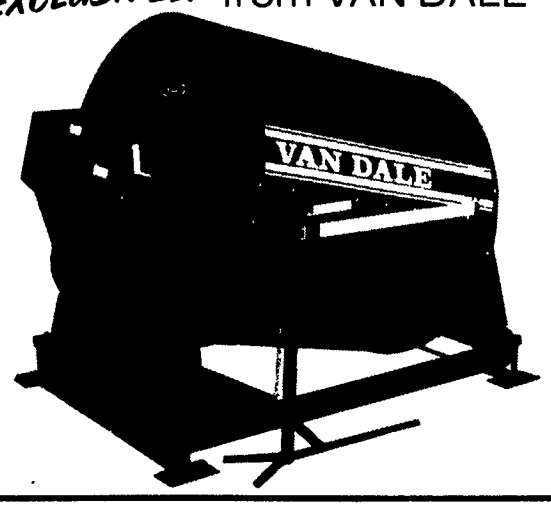

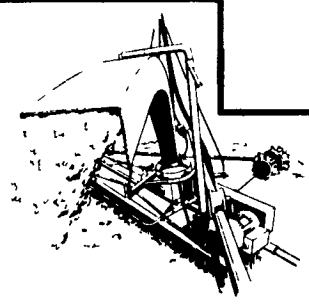

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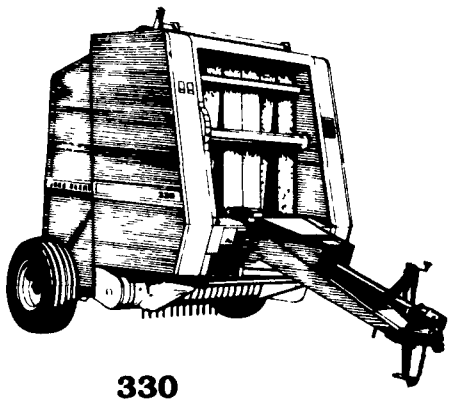

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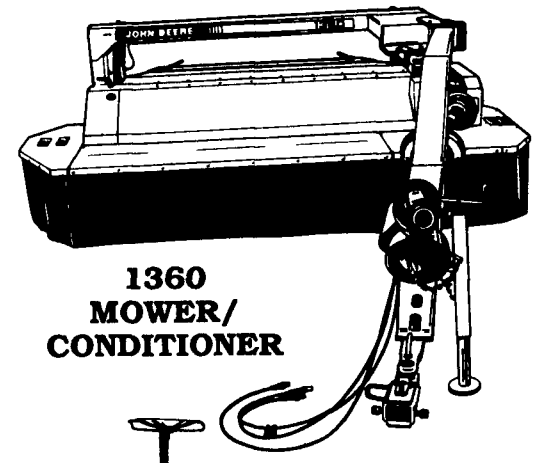

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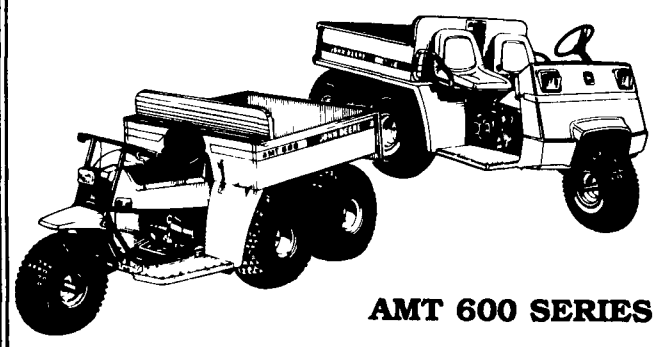

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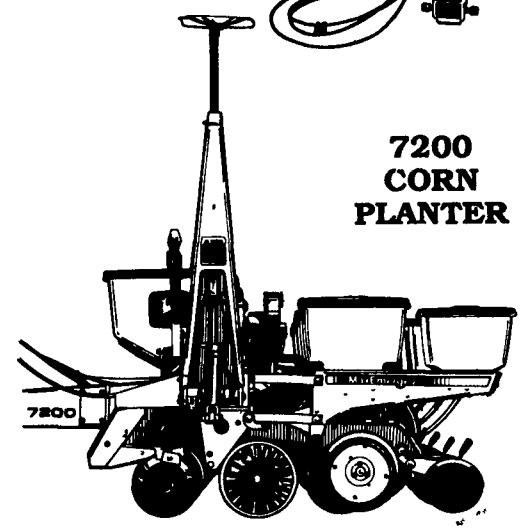
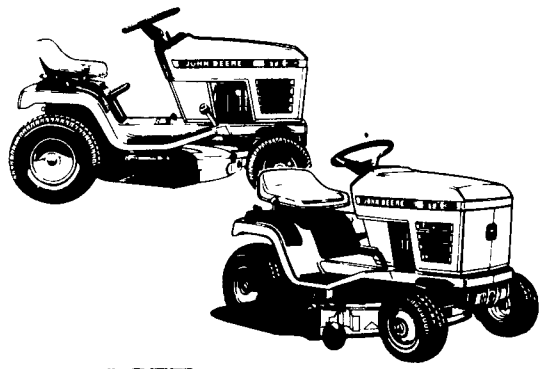


7200
CORN
PLANTER



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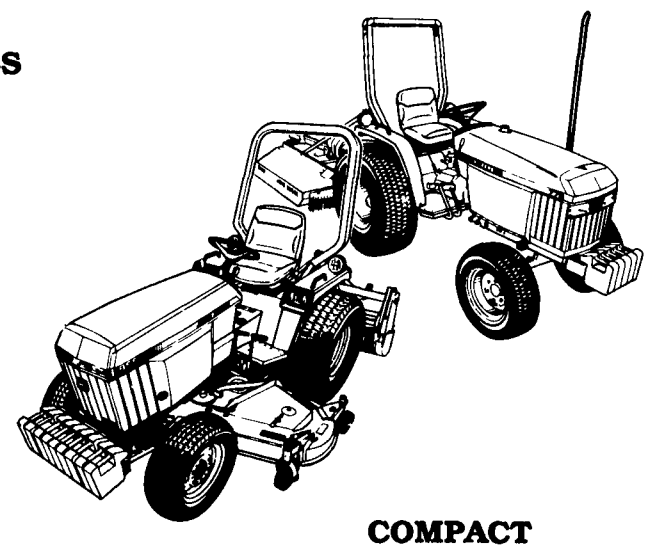

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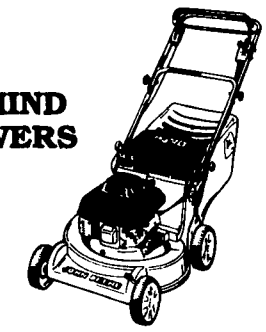

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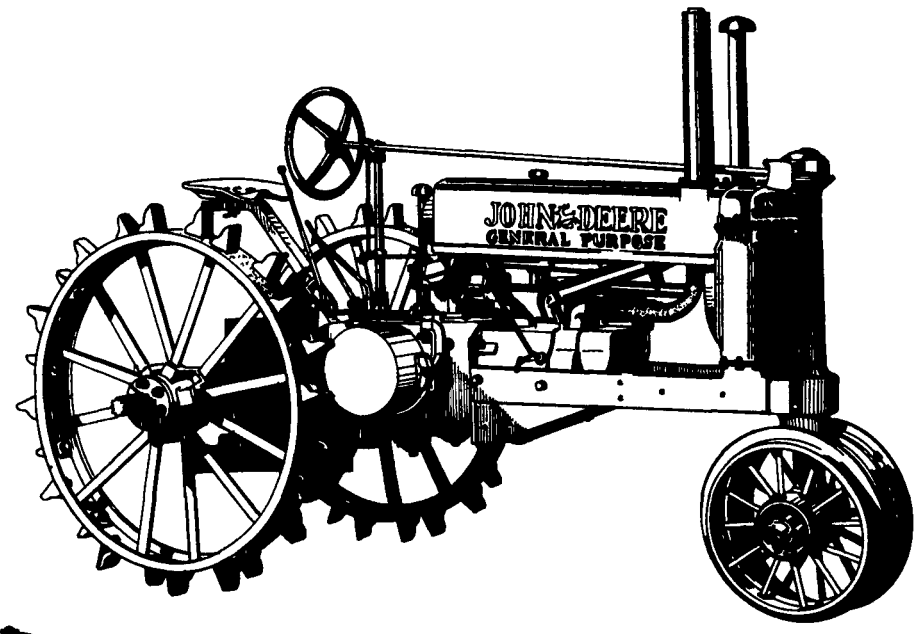

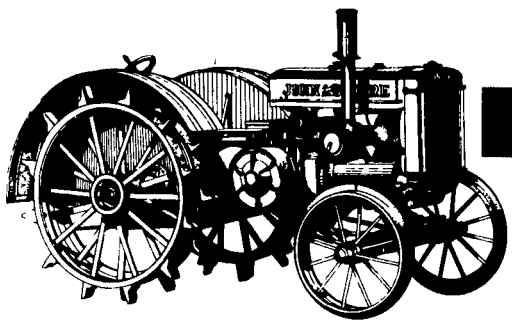

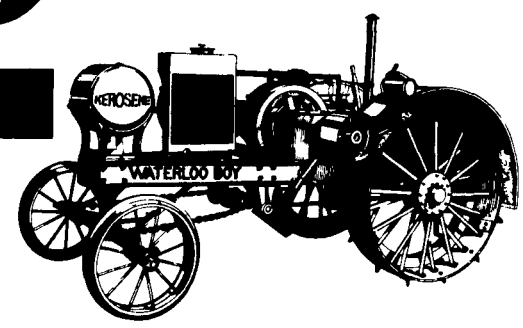

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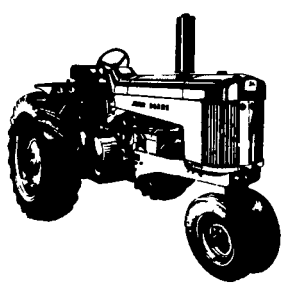

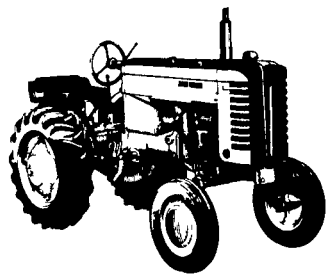

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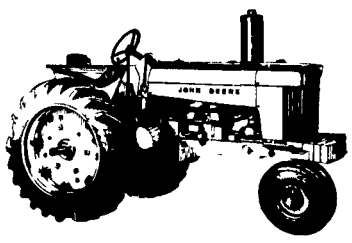

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Pennsylvania Applauds

(Continued from Page D30)

He also competed in the Penn State agmechanics contest.

Payne is on the Cowanesque Valley High School wrestling team and enjoys drawing, working on engines, and collecting model cars. After graduation he hopes to one day own a speed shop.

Bonnie J. Pearce

The 18-year-old daughter of Robert and Gloria Pearce of Renfrew, Bonnie J. Pearce is a third-year member of the Butler County Vo-Tech FFA chapter. She is the president of her chapter, a position that's she's held for three years. Prior to that she was the treasurer.

Pearce's projects included raising breeding rabbits and sheep. She chaired the mall display and Christmas float committees. She received a gold medal in the state project-book contest, first place in the area creed-speaking contest, third in the regional creed-speaking contest, and second in the stat interview contest.

President of the Young Women's Class and the Butler County Spinners and Weavers, Pearce also is a junior member of the ARBA. She enjoys spinning wool in her spare time and once she graduates, she hopes to attend community college.

Cindy Pettit

Cindy Pettit has served the West Greene FFA chapter as reporter, chaplain and president. She was a member of the 1988 demonstration team and worked on the state and national activities committee.

The 18-year-old daughter of Jerry and Linda Pettit of Holbrook, Pettit has had projects in dairy calves and cows, veal calves, market lambs, and beef breeding. She earned the Greenhand and Chapter Farmer degrees.

Outside of school Pettit enjoys fishing and swimming. Upon graduation she plans to continue farming with her parents.

M. Lea Pownall

A fourth-year member of the Solanco FFA chapter, M. Lea Pownall is the treasurer for the chapter; previous to that she was the chaplain. Her projects include corn, grain, barley, soybeans, and on-farm work experience.

Pownall, the 17-year-old daughter of Walter and Peggy Pownall of Quarryville, belongs on the conduct of meetings, public relations, float, and banquet committees. She has earned the Red Rose degree and is interested in hunting and snowmobiling. After graduation she will attend an agricultural college.

Brian Pryor

The 18-year-old son of Stanley and Patricia Pryor, Brian Pryor has earned the Greenhand and Chapter and County Farmer degrees. In addition, he has received the County Star Agribusinessman award as well as proficiency awards in dairy production and home and farmstead improvement.

Pryor served the Blue Ridge FFA chapter as vice president and sentinel. He was on the parade-float and fund-raising committees and attended the PEEC Leadership Training Conference two times, the Washington D.C. Leadership Conference, and Penn State Acitivities Week three times.

Interested in pig butchering and roasting, Pryor would like to be a dairy farmer once he graduates from high school.

Shari A. Rabold

Shari A. Rabold is secretary of the Mercer Cross Roads FFA Chapter. The 17-year-old daughter of Ron and Karen Rabold lives in Mercer.

Rabold earned her Greenhand, Chapter, Area and Keystone degrees during her three-year involvement with the FFA program.

Her projects included horse, home, and dairy herd for which she received project book awards. She participated in committees for volleyball, earnings and savings, leadership, and executive.

For her horse judging skills, Rabold received awards from local, state and national competition. Her hobbies are horseback riding and drawing.

Rabold plans to study animal production at Penn State and to become manager and owner of a horse operation.

Dale Radel

Halifax Area FFA chapter is where Dale Radel earned his Greenhand, Chaper and Agribusiness degrees. He has also held the office of sentinel there.

Radel pursues agribusiness projects and worked on the seed, swine and fruit committees.

He plans to work with his father at a meat market and continue his hunting and fishing hobbies. Parents are Charles and Karen Radel, Halifax.

Lona Jeanne Rader

Lona Jeanne Rader plans to continue her education in the dairy industry with a two-year course in dairy science.

The 18-year-old earned her Greenhand, Chapter, Chapter Star Farmer and Keystone degrees at Butler County Vo-Tech FFA. She served as chapter treasurer and reporter and won awards in state Ayrshire breeding, dairy production, Dekalb, and a silver medal for her state project book.

Rader was a delegate to PAFC and Nice Institute.

A member of the 4-H dairy club since 1978, Rader enjoys showing cattle at local, state and national shows. She is the daughter of Harold and Barbara Rader of Connoquenessing.

Clair Redcay

Clair Redcay plans to enter the Pro Rodeo Circuit. Through his involvement with the Grassland Chapter at Garden Spot High School and his work experience at Weber's Stables, Redcay has furthered his equine interests. He lists horseback riding, calf and team roping and volleyball as his hobbies.

The son of Clarence and Stella Redcay lives with his parents in Mohnton. He is Sunday School president and part of his church youth group.

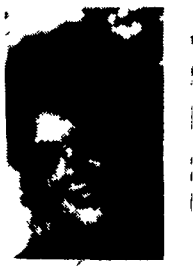
Redcay earned Greenhand Chaplain, Greenhand, Chapter Star Farmer and Red Rose degrees. He earned awards in All American dairy judging, Lampeter judging, and Manheim judging. He was a 1988 local delegate to the national FFA convention. FFA committee work included menu, conduct of meeting, cooperative, and alumni relations.

Craig Reed

Twenty-year-old Craig Reed has been a member of Gifford Pinchot FFA chapter for six years. He's earned his Greenhand, Chapter Farmer, Keystone and White Rose degrees through Northern Senior High School.

A Dillsburg resident and the son of Paul Reed, Reed plans to own and operate a beef farm. He enjoys softball, football, bowling and skating and is a member of his church's softball team.

Missy Richardson



For her extemporaneous speaking ability, Missy Richardson placed second and third and gained another third placng in the Interview contest.

The 17-year-old resides with her parents Mr. and Mrs. William A.

(Turn to Page D35)

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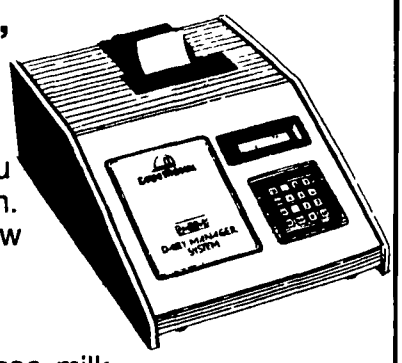

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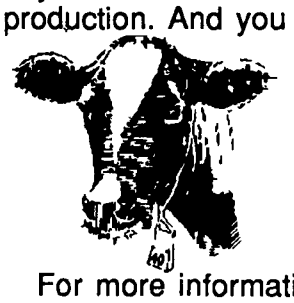

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(Continued from Page D34)

Richardson, Mercer.

At Mercer Cross-Roads FFA Chapter, Richardson gained Greenhand and Star Chapter Farmer degrees for her beef finishing projects. She served on recreation, banquet and demonstration committees.

Richardson's extracurricular activities include track, softball, speech, volleyball, linguistic, chess, library and nurse's aid. She enjoys horseback riding, softball, volleyball, tennis, piano and being with friends.

She plans to major in business management at Slippery Rock University.

John W. Rishel

The 17-year-old son of Wayne A. Rishel of Mifflinburg, John W. Rishel is a third-year member of the Mifflinburg FFA chapter. He has served his chapter as treasurer and vice president as well as chairman of the citrus, summer tour, finance, and banquet committees.

Rishel's projects include dairy herd, chickens, wheat, oats, and alfalfa. He has earned the Greenhand, Chapter Farmer, and Area Farmer degrees plus the Star Greenhand, Star Chapter Farmer, and Star Union County Farmer awards.

He has competed in various contests such as the area, district, and state dairy shows, and creed and conservation speaking. Rishel is a member of the National Honor Society, intramural volleyball team, and Buffalo Valley 4-H Dairy club. In addition, he works on his grandfather and uncle's dairy farm.

Rishel enjoys playing ice hockey, showing cows, hunting, and trapping. After graduation from high school he hopes to become a genetic engineer and possibly farm.

Kenny Rogers Jr.

Swine and beef breeding and dairy heifer are among the projects in which Kenny Rogers Jr. has been involved. The 17-year-old son of Kenneth and Beverly Rogers of Coudersport, Rogers has served on the BOAC, safety, welcoming, newspaper, and banquet committees.

He was chaplain of the Spud Growers FFA chapter for two years and vice president for one year. He earned the Greenhand degree and received the Star Greenhand, production, ag mechanics, forestry management, and Henry Staiger awards.

Rogers belongs to the Coudersport Voluntary Fire Department, men's softball league, and junior high wrestling. He is interested in hunting, fishing, trapping, snowmobiling, and four-wheeling. He plans to make a career in farming after high school.

Greg Rohrer

This Penn Manor FFA member has been showing pigs at the Lampeter Fair and State Farm Show for three years. Greg Rohrer, the 17-year-old son of Kenneth and Carolyn Rohrer, has served on the BOAC, yearbook, and fruit committees and is currently chapter reporter.

Rohrer won a trip to Kansas City in poultry judging after earning a gold medal in the state contest. In addition, he has earned the Greenhand, Chapter Farmer, and Red Rose degrees.

Interested in hunting, skiing, and softball, Rohrer plays in the Solanco softball league. After graduation he hopes to work on his father's dairy farm.

Stacy Lynn Ryan

Eighteen-year-old Stacy Lynn Ryan served as secretary and as reporter for the Apollo Ridge FFA chapter. For raising and breeding dogs for shows and pets, she received specialty animal awards. She also received horse proficiency and sheep proficiency awards.

Ryan resides with her parents Mr. and Mrs. Jack McLaughlin in Apollo. She plans to become a medical secretary. Her hobbies include collecting sheep statues and grooming dogs. She enjoys showing dogs and riding horses.

Kirk M. Sattazahn

Dairy, hog, corn, and alfalfa production are the projects in which Kirk M. Sattazahn has been involved. He has served the Conrad Weiser FFA chapter as vice president, chaplain, and parliamentarian. In addition he was president of the Berks County FFA organization.

The 17-year-old son of Clarence and Marlene Sattazahn of Womelsdorf, Sattazahn has worked on various sales and leadership committees. He was the 1986 state creed-speaking winner, the 1988 Tri-State extemporaneous-speaking winner, and the Eastern Region Star Farmer.

Sattazahn is a member of the Marion Grange, Stouchsburg 4-H club, Berks County Junior Holstein Club, National Honor Society. He enjoys playing basketball and baseball. After graduation he plans to attend either Penn State or Purdue University and major in ag marketing and dairy science.

(Turn to Page D36)

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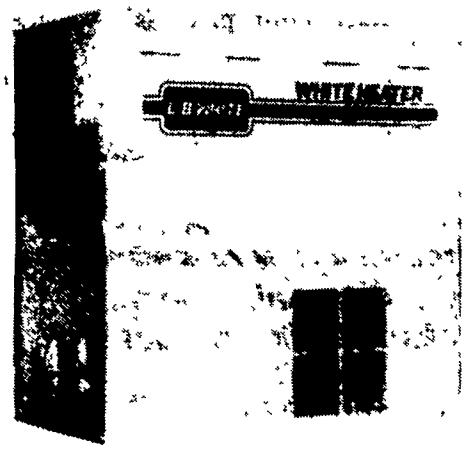

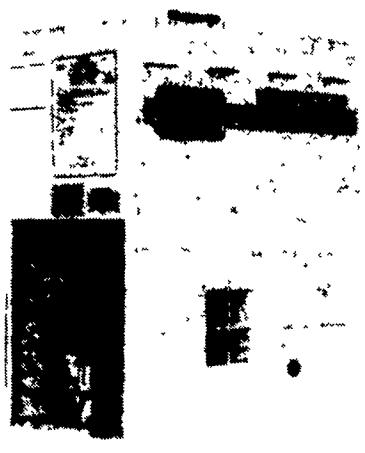

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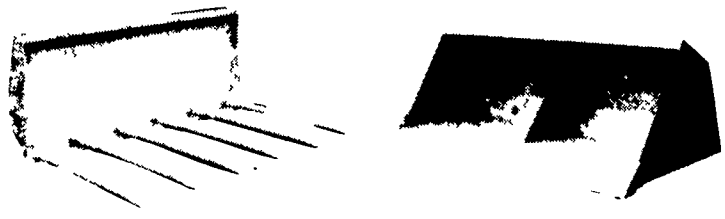

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Pennsylvania Applauds

(Continued from Page D35)

Nicole J. Schaeffer

Chaplain of the Penns Valley FFA chapter for three years, Nicole J. Schaeffer was named the outstanding female member of her chapter.

Schaeffer, the 18-year-old daughter of Ronald and Janet Schaeffer of Centre Hall, Shaeffer has had beef finishing projects for which she received a chapter foundation award. She has earned the County Farmer degree and was a member of the parliamentary-procedure team.

Interested in tractor pulling and collecting bears, Schaeffer plans to attend Delaware Valley College in January.

Michael E. Schrader

Michael E. Schrader, the 17-year-old son of Mr. and Mrs. Gary E. Schrader of Middleburg, has had projects in dairy calves and work experience on the Richard Nerhood farm. He has participated in the chicken barebcue, dairy calf ring, and points committees.

Schrader served the West Snyder FFA chapter as vice president and currently is assistant vice president. Interested in hunting and fishing, Scrader plans to own a beef farm some day.

Lauren Schwartz

The 18-year-old daughter of Mr. and Mrs. Allen Schwartz of Mohnton, Lauren Schwartz has been involved in tree planting, Ag Day breakfast, PEEC leadership activities, the Reading Fair, and the Farm Show band.

Schwartz has received a proficiency award in horse production, first place in the county pleasure horse-judging contest, and a silver and bronze medal in the state pleasure horse-judging contest.

The secretary of the Twin Valley FFA chapter for one year, Schwartz is a member of the Twin Valley High School's band, field hockey team, chorus, Spirit Club, French Club, and theatre arts. She enjoys playing the clarinet and saxaphone, playing field hockey, and riding her horse. After graduation she would like to become a horse breeder and trainer and possibly a veterinarian.

Richard F. Sealover

Richard F. Sealover's FFA projects included steer finish ing, dairy heifers, and on-farm work experience. He has earned the Greenhand, Chapter Farmer, and White Rose degrees.

The 18-year-old son of Mr. and Mrs. Richard Sealover of New Park, Sealover served the Kennard-Dale FFA chapter as chaplain and parliamentarian. He also chaired the SOEP committee for four years.

Sealover won first place in his county's 1986 dairy-judging contest, was a member of the silver medal-winning 1986 parliamentary-procedure team, and was a state dairy judge.

Interested in skiing and showing dairy cattle, Sealover is a member of the Junior Holstein Club. After graduation he plans to attend college to study diesel technology.

Judy Shade

A fourth-year member of the Eastern Lebanon County FFA chapter, Judy Shade has served her chapter as sentinel and treasurer. In addition, she has worked on the leadership activities, earnings and savings, state and national activities, long-range planning, and BOAC committees.

Shade, the 18-year-old daughter of Thomas and Marian Shade of Newmanstown, has had projects in dairy showing and on-farm work experience. She has earned the Greenhand and Chapter Farmer degrees and received proficiency awards four times for dairy production and once for agribusiness. She also was named Star Agribusinessman.

A member of the North Jackson Grange and the Youth Fellowship for Christ, Shade is interested in horseback riding, walking in the mountains, and sewing. She plans to work in the agricultural field once she graduates from high school.

Todd M. Shiderly

Todd M. Shiderly, the 17-year-old son of Mr. and Mrs. William E. Shiderly, is the vice president of the Mohawk FFA chapter. He also serves on the crop, citrus, and Food for America committees.

A member of the FFA basketball, demonstration. and volleyball teams, Shiderly is also the manager of the basketball team. He has earned the Greenhand and Chapter Farmer degrees and has had projects in field crops and work experience.

After graduation, he plans to attend Penn State and major in agricultural engineering.

Matthew D. Shoemaker

Swine finishing, field-corn production, and on-farm work experience are the projects on which Matthew D. Shoemaker has been involved. He won the Selinsgrove FFA chapter's corn club award.

The 17-year-old son of Dennis and Dorine Shoemaker of Selinsgrove, Shoemaker has earned the Greenhand and Chapter and Sun Area Farmer degrees. He served his chapter as assistant vice president and chaired the recreation committee. The committees that he has worked on include leadership, corn club, recreation, and cider sales.

Shoemaker participated in the state parliamentary-procedure contest and is on the Selinsgrove Area High School's basketball team. He enjoys hunting and garden-tractor pulling. After high school graduation he plans to attend college for an agricultural-related degree.

Leonard B. Sitlinger

The 17-year-old son of Celin and Ruth Sitlinger of Gratz, Leonard B. Sitlinger is the president of the Upper Dauphin Area FFA chapter. Previous to this he served as the chapter's reporter.

Sitlinger has had work experience with the Pennsylvania Game Commission and C. Sitlinger & Sons Excavation Co. He worked on the banquet awards and menu committees and won a gold medal in the state record-keeping contest. Sitlinger also received the state's soil and water proficiency award.

A member of the Upper Dauphin baseball team and his church's youth group, Sitlinger enjoys skiing, hunting, and fishing. After graduation he plans to attend a four-year college and work for the Pennsylvania Game Commission in land management.

Joseph L. Smith

Joseph L. Smith is a fourth-year member of the United FFA chapter, where he has served as chaplain for two years. He also worked on the farming-enterprise committee.

The 17-year-old son of Robert and Joyce Smith of Homer City, Smith's projects consisted of gardening and raising steers. He earned the Greenhand award and is a member of the Boy Scouts, the Armagh-East Wheatfield Sportsman Club, and the United High School Ski Club.

Interested in hunting, fishing, and working on computers, Smith would like a career in agriculture.

David A. Smitsky

Home garden, swine finishing, greenhouse production, and work experience are the projects on which David A. Smitsky has been involved. He placed first in the county project-book contest and won an award on the state level. He received a blue and gold award for two years in the chapter, county, area, and regional conservation public-speaking and creed contest. In addition he took first in the county livestock-judging team.

The 18-year-old son of Joseph D. and Virginia L. Smitsky of Hickory, Smitsky has earned the Greenhand and Chapter and County Farmer degrees. He worked on the public and alumni relations committees.

Smitsky is a member of the Fort Cherry High School newspaper staff and of the Teen Institute. He enjoys playing the guitar, snowmobiling, and riding his skateboard and hopes to own a statewide string of lawn-care centers some day.

Doug Spigelmyer

The 17-year-old son of William and Judi Sprigle of Pleasant Mills, Doug Spigelmyer has had projects in dairy heifers and cows, pheasants, and work experience.

Spigelmyer has served the Middleburg FFA chapter as advisor and has earned the Greenhand and Chapter and SUN Area Farmer degrees. In addition he won an award for his project book.

A 4-H'er, Spigelmyer enjoys hunting, fishing, and snowmobiling. After high school graduation he plans to become a dairy farmer.

Kermit Stahl

Kermit Stahl has served the Somerset FFA chapter as president and the Somerset County FFA organization as secretary. He worked on the fruit sales, banquet, basketball, softball, volleyball, and fair booth committees.

The 18-year-old son of Robert and Doris Stahl of Somerset, Stahl has had projects in market hogs and potato, corn, small grains, and hay production. He has participated in livestock judging and was the first-place winner in the Eastern Region livestock judging competition. Stahl also received second place in the state conservation-speaking contest.

Stahl earned the Greenhand degree and received the Star Chapter Farmer award. He is a 4-H'er and a member of the National Honor Society, student council, English club, and the Mount Calvary Lutheran Church.

Interested in swimming, hunting, riding four-wheelers, and square dancing, Stahl plans to attend Penn State and major in agriculture.

Mary E. Statler

A fourth-year member of the Waynesburg FFA Chapter, Mary E. Statler has earned the Greenhand and Chapter Farmer degrees as well as Star Greenhand and beef production awards.

Statler, the 18-year-old daughter of Hubert and Martha Statler of Spraggs, has served on the banquet and initiation committees and been chapter secretary and president.

She has been involved in livestock judging and the BOAC flowerbed project. Statler is a member of the Waynesburg Central High School French and chorale clubs and the Methodist Youth Fellowship. She enjoys horseback riding and plans to go to college after graduation and study accounting and data processing.

Dave Stine

Dave Stine, the 19-year-old son of Mr. and Mrs. Richard Stine of Dillsburg, is in his fourth year as a member of the Gifford Pinchot FFA chapter at Northern Senior High School.

Stine is president of his chapter this year. He has earned the Chapter Farmer, Greenhand, and White Rose degrees and won both the Star Greenhand and Star White Rose awards.

His FFA activities include swine breeding and finishing, corn, beef finishing and he has been employed by Rutter's Livestock Farm.

Stine plans to continue his career in agriculture after high school.

Duane Stoltzfus

Duane Stoltzfus of Twin Valley High School is in his second year as a member of the Twin Valley FFA chapter.

The 18-year-old son of Harvey and Mary Jane Stoltzfus of Morgantown has earned the Chapter Farmer and Keystone degrees. Stoltzfus has held the office of chapter treasurer and secretary and has served as a judge for the county state and record book contests at Kutztown, Allentown and Reading fairs.

Stoltzfus' activities include dairy animals, Ag Day Breakfast, PEEC Leadership Conference, Food for America committee and chairman of the finance committee.

He placed first in the state dairy-judging contest in 1988 and took sixth place in the national contest. He is also a member of the 4-H Penn State Dairy Science Club and the PA Junior Holstein Club.

Stoltzfus attended the National FFA Leadership Conference in Washington, D.C. He also won first place in an area agronomy contest.

Stoltzfus enjoys skiing, hockey and showing cows. He plans to attend college and pursue veterinary medicine as his career.

Dwight Stoltzfus

Dwight Stoltzfus, the 18-year-old son of Harvey and Mary Jane Stoltzfus of Morgantown, is a two-year member of the Twin Valley High School FFA chapter.

His projects include Holstein cattle and he committees on which he has worked include Food for America,

(Turn to Page D37)

Pennsylvania Applauds

(Continued from Page D36)

Dairy Farm Tours and the Ag Day Breakfast.

Stoltzfus captured fifth place in the individual dairy-judging state contest in 1988 and his team took the number-one spot in the state. Nationally his team came in sixth at the FFA dairy-judging competition. Stoltzfus took first place in 1987 at the Delaware Valley dairy-judging contest.

During his junior and senior year in high school he was the champion showman at the FFA District Show and was a PAFC Youth delegate to the AIC in 1987. Stoltzfus also has served on the PEEC Leadership Conference.

Stoltzfus is also a member of the PA Junior Holstein Club, 4-H Dairy Club, German Club and his church youth fellowship group.

Stoltzfus enjoys street hockey, skiing, racketball, softball and showing cattle.

Stoltzfus plans to continue dairy farming after graduation.

Michael Stoltzfus

Michael Stoltzfus is the 18-year-old son of J. Wilmer and Laurell Stoltzfus of Elverson.

In his four years as a member of the Twin Valley FFA chapter he has earned his Greenhand and Chapter Farmer degrees.

He has been the chairman for the Corn Test Plot and worked on both the County Swine Show & Sale and Pennsylvania Farm Show market hog show. His projects include swine production, swine fattening and he has co-op work experience.

He worked on the Ag Day Breakfast, tree plantings for the Pennsylvania Game Commission, livestock judging at Kutztown, Allentown and Reading fairs.

Stoltzfus plans to be an electrician after graduation.

He enjoys ice hockey, hunting and cars.

Tobin Stombaugh

Tobin Stombaugh is a six-year member of FFA, having joined as a junior high school student. Stombaugh, the 17-year-old son of Elwayne and Sandy Stombaugh of Portage, has earned the Greenhand and Chapter Farmer degrees.

He served as reporter for two years and participated on committees such as program of activities, community service, state and local activities, alumni relations, and public speaking.

Stombaugh was a member of the state FFA band, attended leadership training seminars, and participated in the Envirothon for two years. He also belongs to the Claysburg High School band, chorus, and Concerned Students clubs. He enjoys collecting model rockets and plans to attend Williamsport Area Community College to study landscape/nursery technology. After that he hopes to farm,

Chris S. Strait

Chris S. Strait is in his fifth year as a member of the McConnellsburg FFA chapter. The 19-year-old son of Woodrow and Joycelene Strait has served his chapter as president, and treasurer. He has earned his Chapter Farmer degree.

Strait's projects includes fruit chairman, dairy chain chairman, dairy showmanship, dairy judging, public speaking and the leadership conference.

Strait has achieved proficiency in both dairy production and horse production.

Strait plans to increase his dairy herd and continue dairy farming.

He enjoys coon hunting, muzzle loader hunting and trapping.

Rebecca K. Stumpf

Rebecca K. Stumpf in her fourth year as a member of the United FFA chapter has held the office of Indiana area FFA president for two years. The 17-year-old daughter of Richard and Deborah Stumpf also has held the offices of treasurer, reporter, and vice president and earned the Chapter Star Greenhand award in 1986.

Stumpf has won a silver medal in the state project-book contest for 1988 and took first place in the area land-judging contest. She also took first in the area conservation public-speaking contest; third place in the 1986 state FFA creed-speaking contest; proficiency award in public speaking for 1986, '87, and '88; 1988 chapter soil and water conservation proficiency award.

Stumpf participated in the project-laboratory skills, chaired the Food for America committee, served as president of the parliamentary-procedure team and attended both the 1988 FFA Washington Conference and the national FFA convention.

Stumpf served as secretary/treasurer of the marching band and was a member of the county, concert and stage bands. She is a member of the Senior National Honor Society and was the Newspaper Exchange Editor. She is also a 1988 graduate of the Pennsylvania Governor's School for Agricultural Sciences. She worked as a news writer for the Indiana Gazette.

Stumpf's hobbies include reading, computers and public speaking.

Brian Sump

The 18-year-old son of Ken and Roberta Sump of Enon Valley, Brian Sump is a third-year member of the Mohawk FFA chapter.

He has had projects in dairy herd and field crops and participated in FFA volleyball, calf chain, crop and Monsan 2+2 committees, amd demonstration and paliamentary procedures teams.

Sump has earned the Greenhand and Chapter Farmer degrees. After graduation he plans to own and operate a dairy and grain farm.

Roy Thomas

As a member of the Troy FFA chapter, Roy R. Thomas has earned his Greenhand, and Chapter degrees.

The 18-year-old is the son of Richard and Virginia B. Thomas who live in Troy.

Thomas's projects included Holsteins

(Turn to Page D40)

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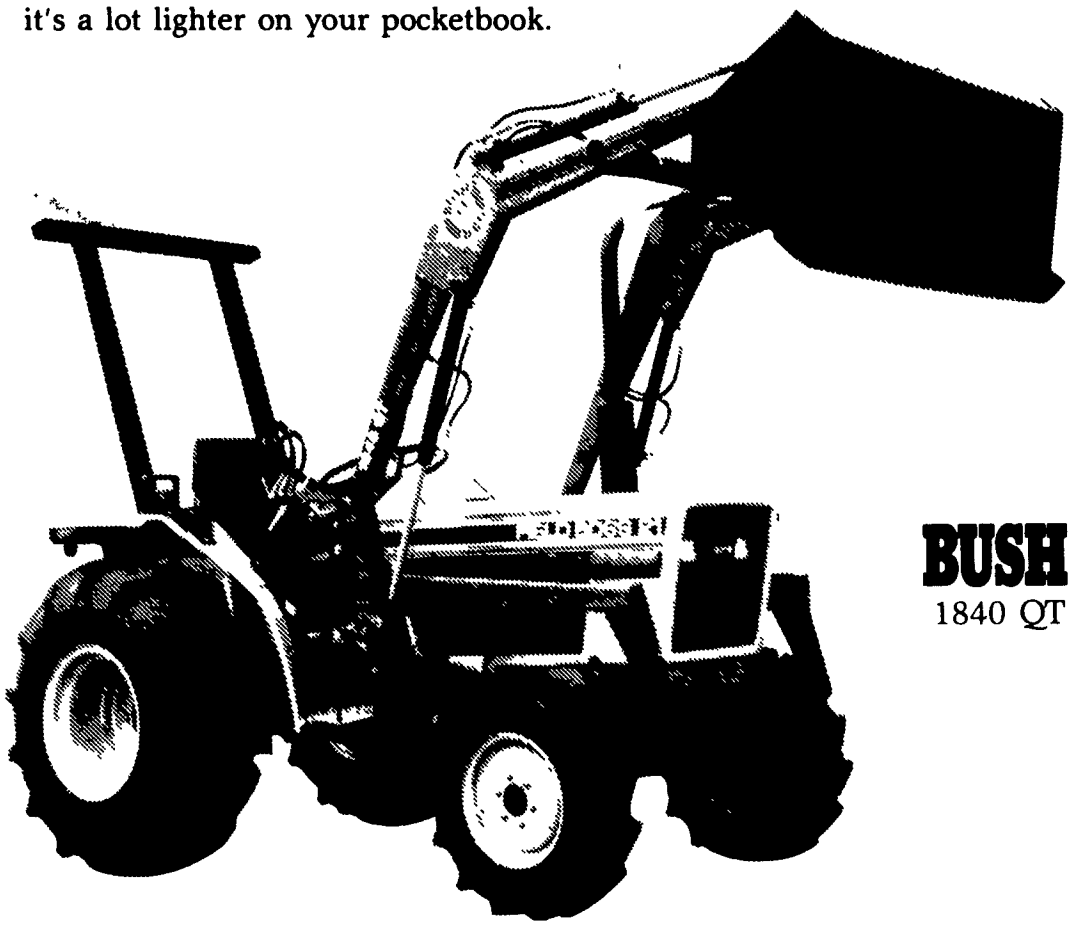

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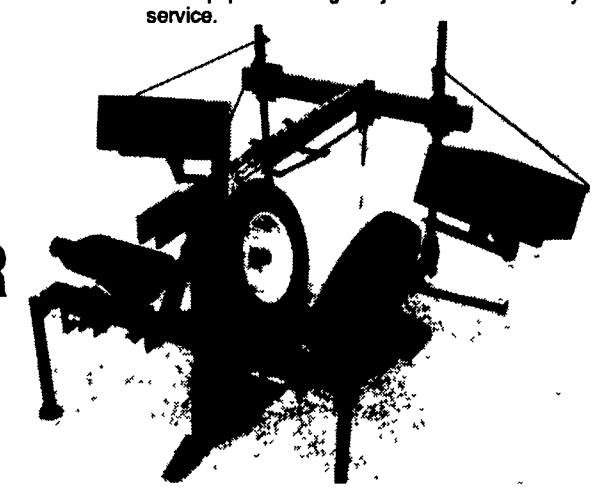

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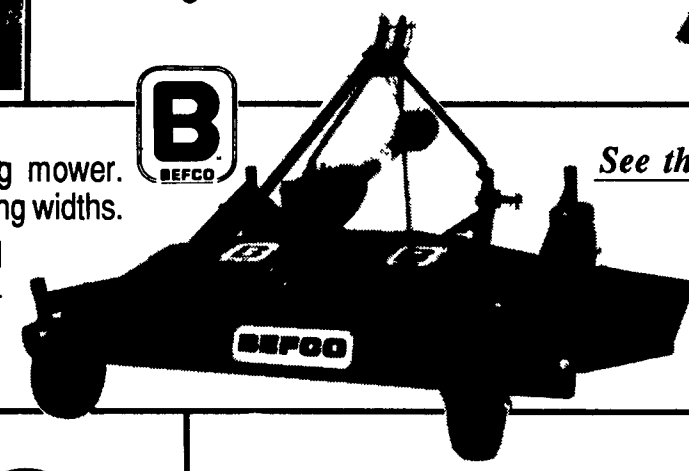

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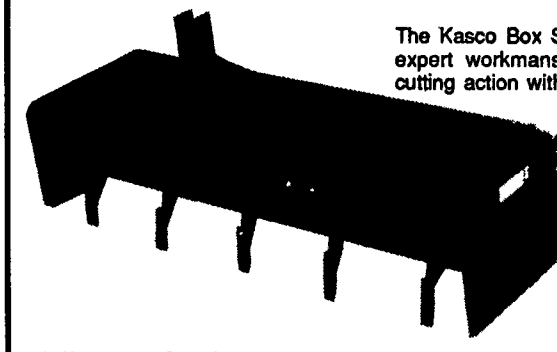

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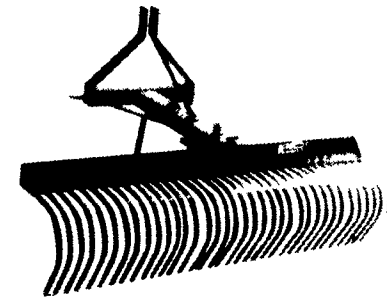

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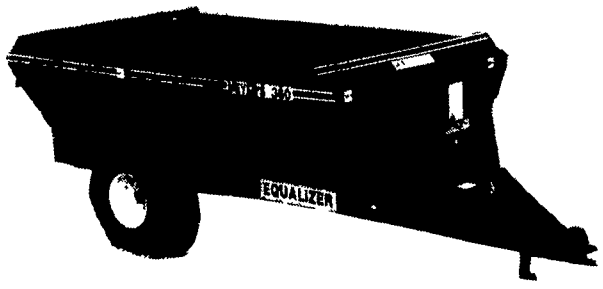

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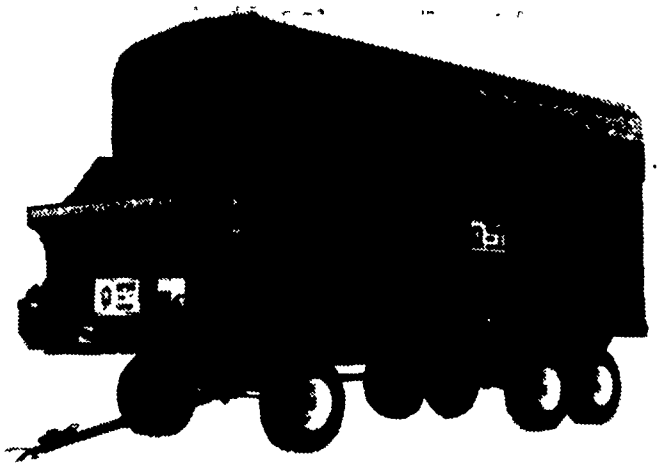

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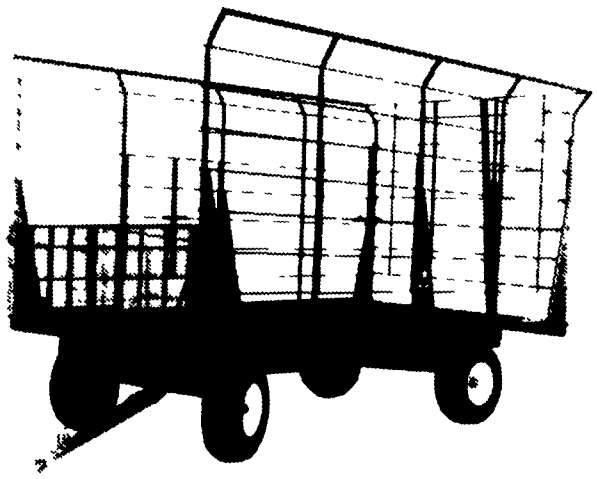

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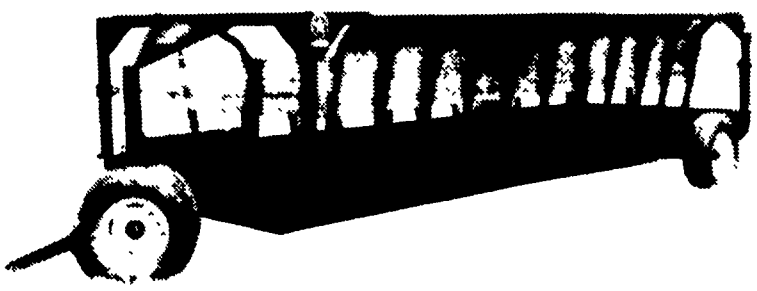

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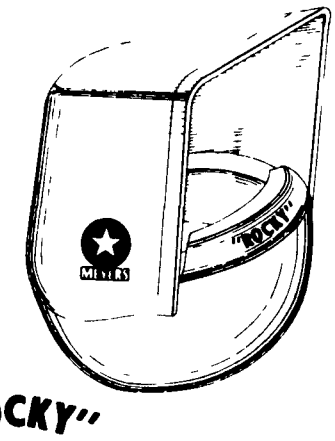

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Pennsylvania Applauds

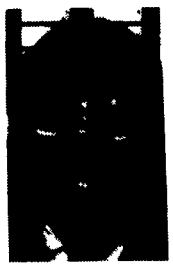
(Continued from Page D37)

and sheep. He participated in a work program, BOAC, budgeting and citrus sales.

Chapter advisor, chaplain, county president and sentinel were positions Thomas held. He also received the L.R. Guilliaume award.

Hobbies include hunting, fishing, riding 4-wheeler and showing cattle. Thomas looks forward to farming with his father.

Beverly Tinsley



Beverly Tinsley of Gillet won the Greenhand, Chapter degree and Star Greenhand degree at Troy High School.

For three years, Tinsley served as FFA secretary. She was active in BOAC, chairman of citrus sales and active in 4-H.

Hobbies include horse back riding, reading, writing poetry and showing dairy cattle.

Daughter of Bruce and Lynn Tinsley, the 17-year-old plans to attend Delaware Valley College where she received a scholarship.

Stanley Travis

With Star Greenhand and Star Agribusiness degrees, Stanley Travis is ready to enter hog farming with his dad. Travis lives in Avonmore with his parents Dennis and Karen Travis.

At Appollo Ridge FFA, Travis, 19, pursued projects in beef fattening, swine fattening, and work experience. He earned a bronze emblem for dairy judging, served as an advisor and chaplin and on the fruit committee.

Hunting and snowmobiling are favorite hobbies for Travis.

Lewis Troyer

Lewis Troyer plans to work in agricultural production with his grandfather, father and uncle.

Troyer lives in Delta and has been part of Kennard-Dale FFA Chapter for four years. He earned his Greenhand and Chapter Farmer degrees and earned a bronze medal for his state project book and an award for livestock judging.

Activities included community service, cooperation committee, farm work experience, swine breeding, York Fair and tractor driving.

Troyer enjoys hunting. He lives with his parents, Mr. and Mrs. David H. Troyer.

Galen Ulsh

This 18-year old is a member of the Blue Mountain High School FFA Chapter where he's earned his Greenhand and Chapter Farmer degrees.

The son of Maureen and Galen Ulsh of Summit Station, Ulsh has kept busy with many projects, including carpentry and landscaping projects, engine repairs, and trail gardens. He's been part of both the slide and the clean up committee.

Ulsh enjoys hunting, motorcycle riding, snowmobiling, and volunteering as a fire fighter.

Troy A. Waggoner

Leadership roles have kept Troy Waggoner of Carlisle busy at Cumberland Valley High School FFA chapter. In the last three years, he's been treasurer, vice president, and president.

The 17-year old has earned the Star Greenhand, Star Chapter Farmer, South Central Regional Star Farmer awards.

His 1988 state project book earned a proficency award. In state competition, Waggoner placed in agricultural production, diversified livestock production, beef production, and agricultural electrification.

FFA activities included projects in market lambs, field corn, hay oats, barley, beef, dairy and swine finishing, and off-farm work experience.

He's served on committees for banquet, citrus fruit sale, executive, membership, small engine, and publicity.

The son of Robert and Judy Waggoner plans to continue farming and working as a mechanic and to become an auctioneer.

Andrew Wanner

For four years, Andrew Wanner of Narvon has been an active FFA member of Pequea Valley High School.

The 17-year-old son of David and Ruth Wanner has had projects in dairy herd. He's served as state and national chairman for the committee.

Wanner has held positions as chaplian and vice president. He's earned his Chapter Farmer degree. He's won bronze medals for both the state agriculture mechanics competition and in state dairy showmanship.

Extracurricular activities include band, soccer, AFS, and 4-H Dairy Club.

Wanner plans to study diesel technology at Lincoln Technical Institute.

Tim S. Watson

The 17-year-old son of Tim and Sue Watson of Coudersport, Tim S. Watson is a third-year member of the Spud Growers FFA chapter. He has served on the BOAC, safety, and fruit sales committees.

He earned bronze and silver certificates in land-judging competitions and placed in the Forestry Agribusinessman contest.

Watson is interested in hunting, fishing, water skiing, and four wheeling. After graduation he is planning a career in lumber and forestry conservation.

Dennis L. Weller

Dairy herd, wheat, oats, corn silage, and ear corn are the projects in which Dennis L. Weller has been involved.

The 18-year-old son of David and Patricia Weller has been president of the West Perry FFA chapter and participated in public-speaking and dairy-judging, -showing, and -products contests.

Weller is a member of the National Honor Society and enjoys hunting, working on equipment, and riding three-wheelers.

(Turn to Page D41)

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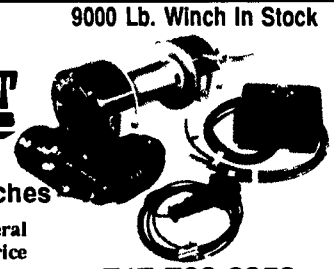

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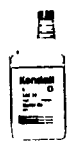

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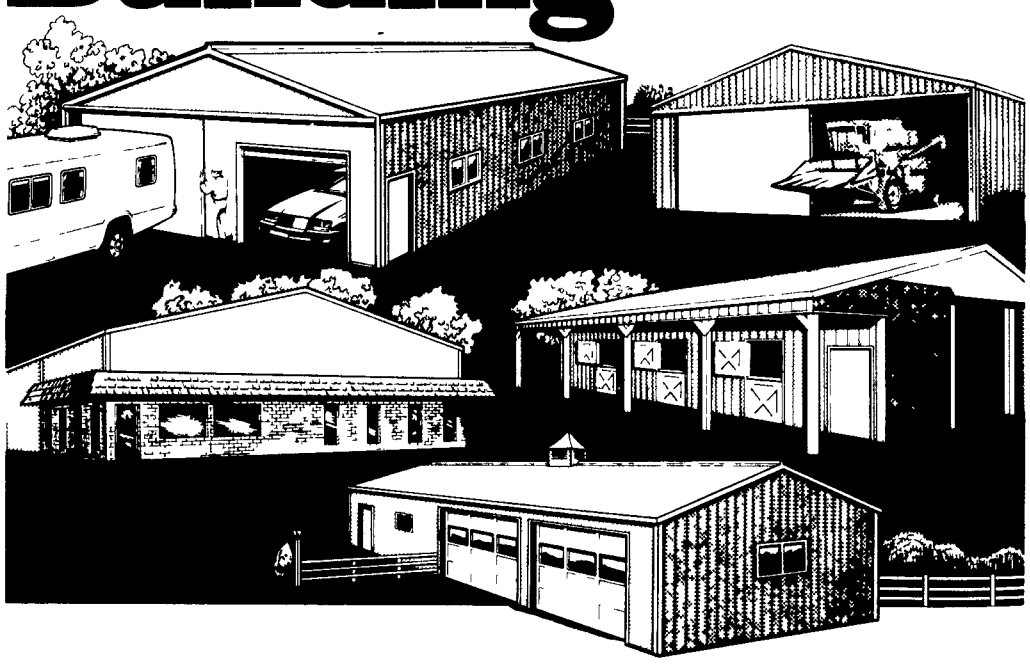

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Pennsylvania Applauds

(Continued from Page D40)

Upon graduation, he will stay on the dairy farm while attending diesel-mechanics school and possibly enlist in the Marine Reserves.

Andrew White

For the past three and one-half years, Andrew White has been active in the Grassland Chapter of Garden Spot High School.

His projects included chain calf, field corn, tobacco, sweet corn, cabbage, market hog, market lamb, and breeding dogs. He's served as chairman of SOE Committee and on other committees. He earned work experience at the Harold Wissler Farm.

White has earned Greenhand, Chapter Farmer, and Red Rose degrees and received the Star Greenhand award as well as proficiency awards in specialty-crop and poultry production. He placed as an alternate second place in state parlimentry procedure, fifth place in state poultry judging, and seventh in Eastern States Poultry judging.

He has served as chapter second chaplain, and he was a local delegate to the National Convention. In addition, White is part of the state FFA band. His extracurricular activities include Garden Spot performing arts and high school band.

Hobbies include hunting, fishing, horseback riding, sports and target shooting.

The 17-year-old son of Gerry and Sandra White of Ephrata, White has enlisted in the U.S. Marine Corps.

Janet A. Williamson

A dream to own her own dairy farm has spurred Janet A. Williamson's involvement in the Somerset FFA chapter.

The 18-year-old daughter of James and Mary Etta Williamson of Friedens, Wiliamson has earned Greenhand and Chapter Farmer degrees. Janet was also treasurer for the chapter.

Active in dairy and dairy beef calves, Janet served on committees for the banquet, fair booth, and fruit and flower bulb sales.

She's played varsity softball at Somerset High School and enjoys hunting, fishing, and riding four-wheeler.

Barbara A. Witherite

Currently working toward an associate degree at Centre Business School, Barbara A. Witherite, Pince Grove Mills, has been active in FFA at State College Area Senior High School for five years.

Barbara served at the State College Little Lions vice president. She garnered the following awards: Agway Cooperative Business, the chapter star agribusinessman, Tussey View Farm, Chapter Advisor, Scholarship and the Rodger Smith Memorial.

Involvement in FFA activities included helping with exhibits and floats and in State College Junior Ag Club.

The 18-year-old daughter of John and Betty Witherite enjoys rollerskating, bowling and square dancing.

Michael Wolfgang

A three-year member of TriValley FFA, Michael Wolfgang of Hegins wasted no time earning the Greenhand, Chapter Farmer, and Schuylkill County Farmer degrees.

He has served his chapter as vice president and Schuylkill County Sentinel. During the FFA activities week, he was appointed chapter delegate.

Committee membership in TriValley Community Fair, banquet, executive, and BOAC filled hours in between working at Huntsinger Farm and working on a tree fruit project at home for a SOE project. For four years, Wolfgang played football at TriValley.

Because he enjoys auto mechanics, Wolfgang, the son of William and Corinne Wolfgang, plans to attend Williamsport Area Community College in the heavy equipment operation and repair program.

Dean Woodruff

The 19-year-old son of Richard and Betty Woodruff of Danville, Dean Woodruff has served the Danville FFA chapter as chaplain and secretary as well as chairman of the BOAC and farm committees.

He also has worked on the banquet committee and was an usher at the Mid-Winter FFA Convention one year. Woodruff has grown wheat on five acres of land and finished out 21 hogs.

Woodruff has earned the Greenhand degree and the Star Farmer award as well as ag production and ag mechanics Keystone Skills certificates. He also placed second on the state level in tractor driving and rifle competitions.

A member of 4-H and the National Honor Society, Woodruff enjoys hunting and shooting sports. He plans to enter into a partnership on his family's farm after graduation.

Todd Woomer

Todd Woomer is currently serving his third term as treasurer for the Bellefonte FFA chapter. He also has served his chapter by participating on fruit sales, sausage sales, window exhibit, float, and petting zoo committees.

The 18-year-old son of Ralph and Patricia Woomer of Howard, Woomer has had projects in dairy heifers, hay, swine, vegetable garden, and field corn.

He has received the Greenhand and Chapter Farmer degrees and Star Greenhand, Star Chapter Farmer, corn, scholarship, extemporaneous speaking, swine judging, recordkeeping, dairy production, and dairy foods awards.

Woomer has been a 4-H'er for 10 years and served as president, vice president, and treasurer of the Walker Township 4-H club. He was the president, vice president, and historian of the Sausage Stuffers 4-H club.

He is interested in hunting and entomology and hopes to enter into a partnership with his father after graduation.

Kevin Zimmerman

Kevin Zimmerman has had projects in dairy herd, dairy beef, and swine finishing. He worked on the leadership and awards committee for the Benton FFA chapter for two years.

The 17-year-old son of Nancy and Allan Zimmerman of Benton, He is currently the president of his chapter, having previously served as vice president and secretary. Zimmerman has won the Star Greenhand and placed high in the state creed speaking and farm management contests.

Zimmerman is a member of the Benton Area High School Student Council, the business club, and the forest fire crew. He is interested in hunting, three-wheeling, and football. After graduation he plans to work in an agribusiness before continuing his education.

(Turn to Page D42)

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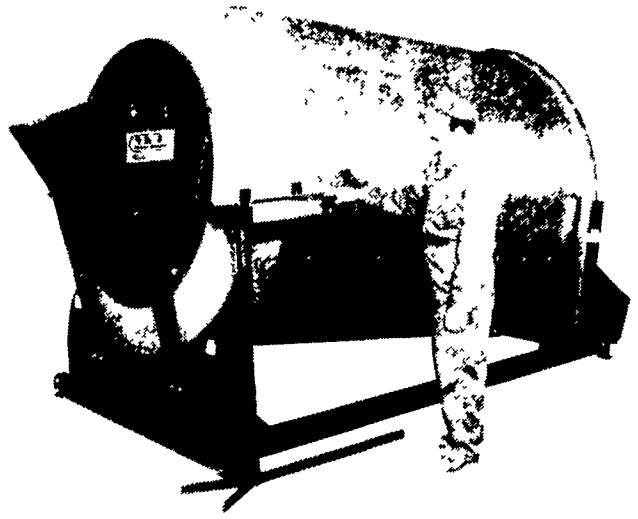

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Microphone Tracks Insects In Stored Grain

WASHINGTON — Their crunching resembles the sound of popcorn popping. That's how a U.S. Department of Agriculture scientist describes grain-chomping insects being bugged by a new high-tech microphone shoved into grain bins.

The insect is the lesser grain borer, a major pest of stored grain, said David W. Hagstrum, an entomologist with USDA's Agricultural Research Service. He said the microphone is part of a durable acoustic system that may eventually give grain operators a reliable and economical method of pinpointing insects deep inside the bins.

"Those popcorn sounds we're hearing are the insects feeding inside kernels of grain. The sound is inaudible to the human ear, but the acoustic system amplifies it up to 75,000 times," said Hagstrum at the ARS' U.S. Grain Marketing Research Laboratory in Manhattan, Kan.

"After further development, this system will provide a quick and easy method of detecting insects without removing grain samples from the bin," he said. "It should also help operators estimate how many insects are present."

The microphone is a thin, circular unit one and one-half inches in diameter. It can be attached to a long probe and pushed three or four feet into the grain, or several microphones can be connected to a cable and pushed into different areas of the bin. Feeding sounds are recorded through a battery-operated amplifier and scientists listen in on earphones.

"In our laboratory studies, this system proved able to detect and accurately estimate insects and their numbers just as well as other methods often used," Hagstrum said. "The advantage over other methods is that you could someday be able to automate insect monitoring of several grain bins from a single central location."

Conventional methods of detecting insects in grain include sifting insects from grain samples, running samples through an x-ray machine and measuring insect-produced carbon dioxide. All three methods, Hagstrum said, are more costly or less reliable than the acoustic system.

His research was done in cooperation with agricultural engineer J.C. Webb and entomologist Kenneth W. Vick of the agency's Insect Attractants, Behavior and Basic Biology Research Laboratory in Gainesville, Fla.

According to William McGaughney, an entomologist and research leader at the Manhattan lab, the lesser grain borer "is one of most serious pests in terms of actual presence in stored grain. It's also one of the hardest to kill."

But Hagstrum said the microphone system will tell farmers and grain operators when insecticidal fumigants will do the most good by identifying when large numbers of the insect are present and feeding.

The system also can detect rice weevils and Angoumois grain moths, two other serious pests of stored grain. "One of the problems is identifying what you're listening to, be it adult or larvae, or maybe a different type of insect," he said. "When we can better define a particular sound, this system will help people in the grain industry make crucial management decisions as the grain goes from farm to port."

An entire acoustic system will retail for about $1400, according to William Betts of Sound Technologies, a firm in Kilgore, Texas, that designed the amplifier.

Pennsylvania Applauds

(Continued from Page D41)

Timothy Zimmerman

Seventeen-year-old Timothy Zimmerman is the son of Titus and Kathryn Zimmerman of Mount Joy.

At Manheim Central High School, Zimmerman pursued FFA projects in sheep, pigs, and steers.

Vice president of the Manheim Chapter, Zimmerman served on committees such as pizza stand, barnyard, and Kansas City. He earned the Greenhand, Chapter Farmer, and Red Rose degrees.

With an eye toward a career in some agricultural-related field, Zimmerman continues his interest in hunting and fishing.

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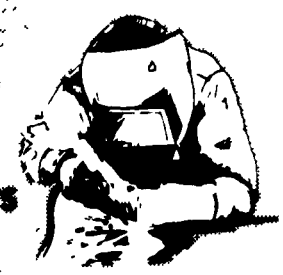

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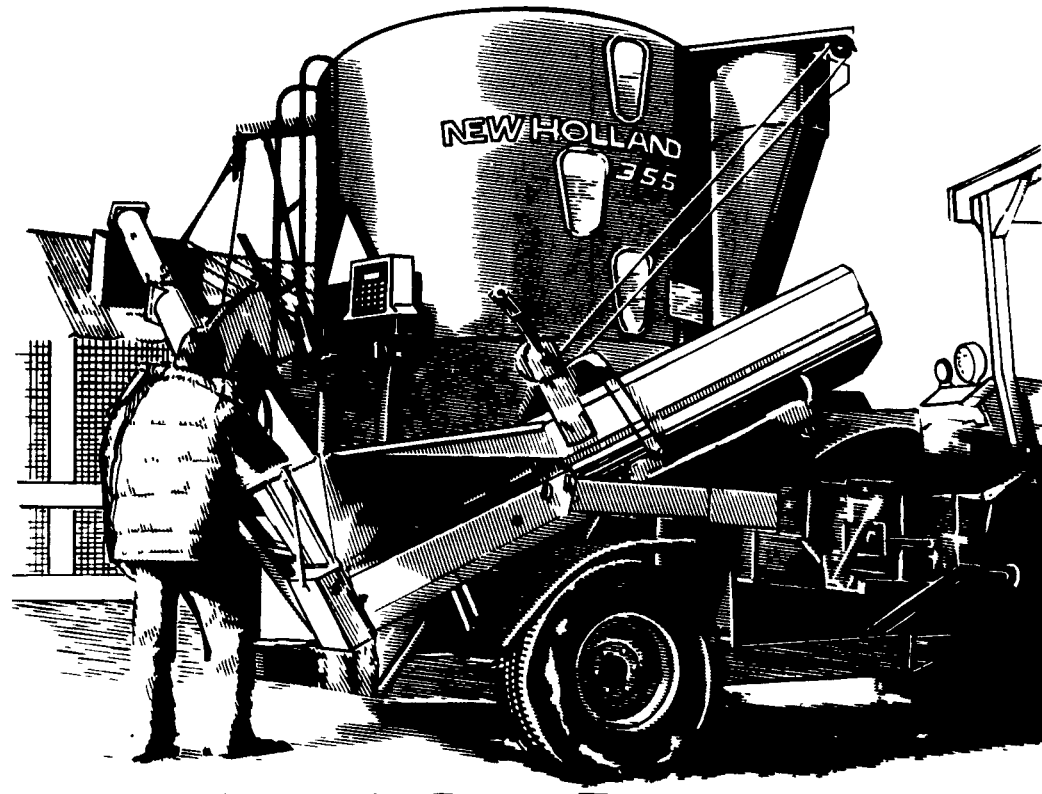

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Berks Co. DHIA

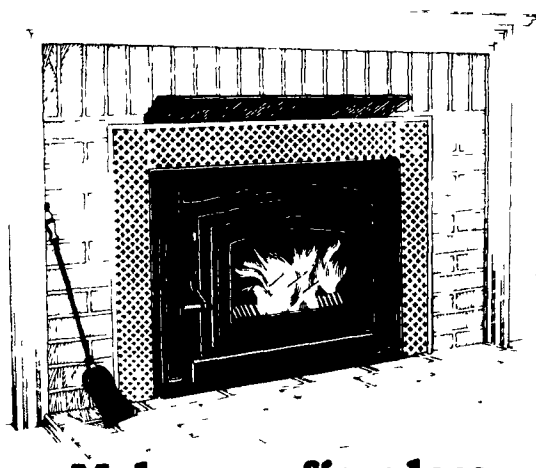
dhia Monthly Report

Pennsylvania Dairy Herd Improvement Association

December, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Hiddenview Holsteins	3	67.5	86.3	23,164	850
Junge Farms	3	75.9	88.6	21,706	845
Daview Farm	3	67.8	86.4	21,284	814
Mark A Wolfskill	3	100.1	87.6	21,204	805
Heindel Farms Inc	3	36.5	91.0	20,339	788
Bos-Belle	3	5.9	88.5	21,185	782
Retland Farm	3	55.4	87.2	21,269	780
Mertz Brothers	3	42.1	86.9	21,850	780
Plushanski Farms Inc	3	147.7	86.1	19,409	771
David L Schrack	B3	104.7	86.1	19,092	771
Merlin J Grube	B3	50.8	86.4	20,475	765
Swatara Dairy Farm	3	62.3	86.4	18,724	764
Barry Barbara Good	B3	47.6	90.7	20,212	754
Mervin Brubaker	3	71.5	85.4	20,545	753
Forrest C Stricker	B3	61.8	85.6	21,326	752
Chris D Kratzer	B3	53.2	94.1	20,368	745
FGG Holsteins	3	68.7	87.1	19,086	743
Ralph & Ken Sanner	B3	80.2	87.3	20,095	742
Show Top Farms	3	175.3	90.5	18,740	741
DJSP Schuler	3	83.3	86.6	20,306	730
RR Troutman & Sons	B3	138.7	84.9	18,159	723
Arlan Krick	B3	67.5	88.0	18,970	722
William G Howerter	3	91.6	88.4	18,654	720
Zahncroft Farm	3	57.9	87.7	19,746	720
Vista Grande Farm	3	89.8	86.8	19,816	718
Raymond A Seidel	3	37.8	89.0	18,492	718
Leon H Martin	B3	41.4	85.8	19,587	713
George S Troutman Jr	B3	78.6	88.3	18,443	712
Earl R Hafer	B3	141.2	86.4	20,209	707
Martin & Missy Moyer	B3	53.4	86.3	19,106	706
Leonard G Stoltzfus	3	85.8	88.8	18,927	704
Bendy Brook Farm	3	46.9	86.3	18,620	703
Jacob M Wise	G3	42.8	85.6	19,036	702
Charles D Moyer	B3	128.9	87.8	19,862	701
Allen A Davis	B3	68.1	87.3	19,181	699
Plentygood Holsteins	B3	63.6	85.9	18,398	699
Gary-Martha Heffner	B3	42.0	87.6	18,654	698
Glenn B Gockley	B3	49.6	85.8	21,807	696
Yost Brothers	B3	113.4	86.9	19,590	696
F Mark Weber	3	44.7	85.6	18,746	696
Bethany Dairy Farm	G3	48.8	85.0	19,209	691
Bernell L Burkholder	B3	43.4	85.5	19,033	689
George E Moyer	3	95.6	88.3	19,424	688
FM Browns Sons Inc	B3	96.1	90.3	19,104	687
Donald Burkholder	B3	112.1	86.0	19,139	687
Glenn+Brenda Howard	3	141.6	89.9	18,327	685
Harvey M Weaver	B3	48.7	84.8	18,503	684
Ronald Kelchner	B3	79.9	87.7	19,101	680
Harold Schuler	3	39.2	86.1	18,387	677
Landis R Martin	B3	53.0	85.0	18,000	677
Clarence B Kulp	3	67.4	88.0	19,563	677
Reu Hel Farms Inc	3	100.8	88.3	18,981	675
Pinnacle View Dairy	B3	42.2	87.7	17,284	674
Dean&Brenda Daubert	5	41.7	85.5	17,136	671
Grumbro Holsteins	3	49.2	85.9	17,715	669
Robert C Dreisbach	4	92.6	84.0	13,610	669
Tulpa-Canal Farm	B3	37.0	85.4	19,165	668
Larry E Phillips	B3	38.0	87.0	18,664	662
Red Fever Farm	B3	67.5	87.8	18,916	662
Way Har Farms	B3	114.9	89.6	17,234	661
Brian + Dawn Blouch	3	45.4	83.9	18,181	660
Richard A Bleiler	B3	46.3	86.4	19,615	659
Scattered Acres Inc	B3	150.4	79.7	18,808	659
Oleka Acres	3	59.0	84.6	18,826	658
Andrew D Stoltzfus	B3	112.4	88.8	18,306	654
Ray E Bicksler	3	49.9	89.1	18,051	654
Ken & Debra Dietrich	B3	44.3	84.4	18,329	653
Clyde Loump	B3	56.3	85.5	18,146	651
Fred J Walters	B3	86.9	86.2	17,676	650
Jeffery J Vanhorn	B3	39.8	85.2	18,923	650
Herb Top Farms	B3	40.2	83.4	17,592	648
Carl Meyer	B3	68.0	87.4	17,038	645
Kenneth Zook	B3	55.4	88.5	17,370	645
James Phillips	4	5.4	91.3	12,566	642
Elvin Brubaker	B3	43.7	86.8	18,523	642
Rolling Acres Farm	G3	38.1	87.2	18,379	642
Whirlwind Acres	B3	116.6	88.0	17,829	640
Floyd Kurtz	B3	64.0	88.6	17,904	640
Ernest O Miller	B3	227.2	83.8	17,002	638
David Gross	B3	40.5	85.3	17,302	638
Wilhomar Farm	3	42.1	86.3	17,791	635
Joe & Deb Kohler	B3	37.6	87.3	18,048	635
Wooden Bridge Farm	B3	55.0	84.6	18,497	631
Carl+Donna Hoffman	B3	36.4	87.1	17,214	630
Melvin M Oberholtzer	B3	41.5	84.5	18,993	627
Meadow Spring Farm	B3	57.3	83.0	17,707	627
Donald B Duncan	B3	102.9	87.7	17,516	625
Lynnacres	3	200.3	89.7	17,044	624
Nelson Sensenig	B3	51.0	85.9	18,105	622
Herb Top Farms Jer	B4	6.4	85.2	12,969	621
Alton Rohrbach	G3	57.7	88.1	17,347	621
Bruce Reigel	G3	36.9	87.3	16,375	621
Robert Yanos	B3	53.9	88.7	17,138	620
John H Stump	3	75.9	89.5	17,482	620
Louis E Moyer	3	63.0	82.7	16,689	619
Terry Kunkel	B3	41.2	83.0	17,420	618
Ray W Seidel	B3	39.2	86.7	16,961	617
Harold Fenstermaker	3	34.0	87.9	15,257	615
Wilmer Dreibelbis Jr	B3	107.6	85.7	17,451	615
Lawrence Kieffer	B3	100.0	86.9	16,965	614
David L Phillips	4	34.4	86.8	13,337	614
Lowell C Kurtz	B3	36.0	86.8	17,413	613
Nathan Nolt	G3	55.5	85.2	16,746	612
Irvin G Weaver	B3	58.5	86.1	15,672	612
Teen Chal Farm	B3	113.4	85.9	16,672	608
James Phillips	3	59.0	86.3	18,300	605
Ontelynn Acres	3	131.3	89.2	15,672	604
David Y Knauer	B3	52.5	87.1	17,631	603
Harvey C Krill Jr	B8	60.3	85.7	15,960	602
Luke Snyder	B3	68.1	86.8	16,816	599
Don Aloan	G3	47.1	87.2	16,132	597
Ker Min Farms	3	87.3	86.3	16,317	596
Mervin Z Martin	B3	43.0	89.8	17,310	595
Robert L Sattazahn	B3	102.4	88.1	17,135	594
Clarence C Sattazahn	B3	105.8	88.7	15,935	592
Hy-Del Farm	B3	32.8	82.4	17,455	592
Lester Martin	B3	51.1	85.2	16,184	591
L and L Farms	B3	49.0	83.4	16,674	591
Robert E Kieffer	G3	64.3	87.1	16,657	591
Raymond L Kulp-Son	B3	86.6	90.2	15,738	590
Pine Brook Farm	3	119.3	83.1	16,732	589
Heindel Farms Inc	1	23.8	82.5	14,446	588
Win-Dale Farm	4	50.0	88.3	11,662	588
Daniel J Harnish	B3	100.4	85.4	16,725	587
Elam G Hoover	B3	82.8	85.4	15,537	585
Glenn E Hoffman	B3	58.0	82.9	15,835	582
Ernest C Hoffman	3	59.3	87.3	16,054	582
John R Lash	G3	71.4	88.7	14,967	581
Glenn R Harnish	B3	148.6	84.7	15,846	581
JD Rosenbaum & Son	B3	72.2	88.1	14,985	579
David Risser	B3	43.1	88.7	17,135	578
Rothrock Golden Hol	B3	164.1	72.6	16,334	578
Carl H Rabenold	B3	66.9	83.6	17,138	576
Donald M Meyers	3	63.2	88.0	16,190	574
Ring-Kul Farm	B3	39.6	86.2	17,745	574
David L Phillips	G8	1.4	87.1	13,837	572
William C Adams	B3	94.1	91.2	13,837	572
Ro Ria Farms	B3	237.6	90.0	14,857	571
Wilson M Balthaser	B8	81.2	84.5	15,304	571
James H Adam	B3	106.0	89.2	15,493	571

(Turn to Page D45)



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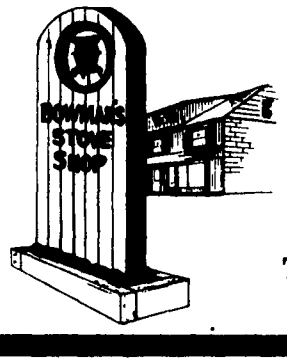

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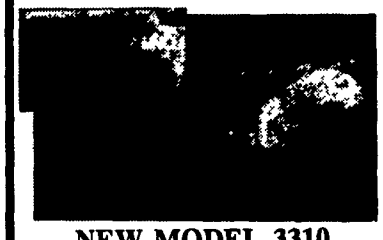

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Berks Co. DHIA

(Continued from Page D44)

Ronald L O Neil	G3	48.3	86.1	15,753	568
Wilhelminia Schmidt	3	56.3	88.0	16,154	566
Richard W Hoppes	B3	65.1	84.3	14,922	565
Donald E Landis	3	136.2	87.9	16,026	560
Kehl Brothers Inc	B3	83.4	85.8	15,102	559
Harold Dietrich Hol	B3	31.3	87.7	15,467	556
Skyline Acres Inc	B3	190.3	85.4	15,698	553
Mark G Hoch	B8	64.6	87.3	14,901	551
Ronald Weyer Holst	B3	58.3	83.8	15,322	551
Rodger L Wagner	B3	145.8	85.8	14,853	551
Terry & Cathy Eutzy	B3	34.3	83.9	18,626	659
John S Kyper	B3	67.0	82.9	18,028	653
Harry & Robin Barnett	G3	42.6	89.2	18,729	651
John C Goshorn	B3	21.5	89.3	18,237	651

Huntingdon Co. DHIA

dhia Monthly Report

Pennsylvania Dairy Herd Improvement Association

November 1988
Rolling Herd Averages

Owner	Brd.	No. Cows	Cow Days In Milk	Milk Lbs.	Fat Lbs.
Joseph M McMath	3	60.0	87.2	20,736	782
Tannery Road Farm	B3	76.5	86.6	20,961	773
Dean E Varner	B3	39.3	88.3	21,007	758
Daland Farms	3	126.4	85.9	19,991	739
Timothy R Peachey	3	75.5	88.0	20,713	735
Gerald E McMath	B3	73.5	89.0	19,988	724
Branstetter Farms	B3	85.5	84.2	19,229	702
Lakevue Farms	B3	118.7	87.0	19,498	702
Locust Lane Farm	B3	114.2	88.1	18,812	697
Samuel K Byler	B3	51.6	88.1	19,786	687
Carl C + Carol Barnett	B3	74.8	86.1	19,402	678
John W Lynn	B3	58.5	82.3	18,798	684
Globe Run Farms	3	99.9	89.7	18,216	676
Gibboney Farms	3	62.6	86.3	18,706	674
Gregory & Nancy Yocum	B3	37.0	89.5	18,584	660
Geary E Shade	3	86.2	89.7	19,013	660
Barnett	B3	74.8	86.1	19,402	678
John W Lynn	B3	58.5	82.3	18,798	684
Globe Run Farms	3	99.9	89.7	18,216	676
Gibboney Farms	3	62.6	86.3	18,706	674
Gregory & Nancy Yocum	B3	37.0	89.5	18,584	660
Geary E Shade	3	86.2	89.7	19,013	660
Branstetter Farms					
Notail	3	5-10	305	27,874	1106
196	3	6-10	305	26,948	964
Rt196	3	3-8	305	19,940	875
#Empire	3	5-11	305	24,412	855
Celia	3	6-5	305	24,568	852
Timothy R Peachey					
Mabel	3	11-9	305	23,357	933
CJ	3	4-4	305	24,734	913
Tom & Gloria Coffman					
Esther	3	4-10	305	24,933	912
Tannery Road Farm					
12	3	4-2	302	22,992	905
52T	3	3-0	305	24,898	886
Philip A Yohn					
0623	3	5-8	287	22,038	877
Samuel K Byler					
203	3	4-9	305	24,188	867
Harry & Robin Barnett					
140	3	4-11	305	20,503	860

Crawford Co. DHIA

dhia Monthly Report

Pennsylvania Dairy Herd Improvement Association

OCTOBER 1988
ROLLING HERD AVERAGE

Name	Breed	No. Cows	Lbs. Milk	Lbs. Fat
Linz Farms	R-GH	36.5	24,621	834
John Tautin, Sr.	R-GH	41.6	20,816	808
Dale Home Farms	RH	38.0	20,703	784
Stain-Brook Farms	R-GH	51.3	22,318	783
Black Pond Farms	RH	86.8	21,253	779
Alan & Rhona Custead	R-GH	82.9	20,479	778
Helen Anthony	R-GH	47.4	20,363	772
Richard L Black	RH	51.7	20,930	763
Jeffrey Raney	R-GH	45.9	20,840	756
Bryan R McCurdy	RH	33.7	20,516	751
Doug Stanhope	R-GH	46.1	20,055	746
Vel-Rus Holsteins	RH	74.3	21,369	740
Tom & Libby Wilson	RH	21.2	19,564	731
Wil-Aire Farm	RH	52.8	19,285	716
D-Darlan Farm	R-GH	43.1	19,391	715
David M Naugle	RH	18.7	20,387	713
John W. Greene, Jr.	RH	60.7	20,381	712
Raymond A. Holabaugh	R-GH	61.6	19,188	708
Morrell Farms	RH	99.0	19,806	707
George P. Simcheck	R-GH	49.9	18,400	705
Jacob H. Leffler	R-GH	64.0	20,033	700
James K. Anderson	R-GH	48.8	17,817	695
Robert Marzka	R-GH	28.8	17,854	690
Fosters Family Farm	R-GH	42.2	18,907	688
Dean Horne	GH	16.9	19,356	682
Loren Mitchell & Son	RH	52.7	19,248	681
Seldomrest "F" Farm	R-G M	37.6	18,043	679
Ernest Oakes	RH	16.9	20,432	677
Joe Arbuckle	R Mix	32.2	18,594	675
Spruce Row Farms	RJ	61.4	15,304	674
A&B Dairy Farm	R-GH	66.8	19,020	673
Queens Manor Holsteins	RH	27.4	17,519	670
Orange Bucket	RH	43.3	18,801	668
Dennis B Halfast	RH	45.9	18,903	663
James & Janet Hunter	RH	27.8	17,907	655
Honey Run Farms	R-GH	151.6	17,734	651
Mark Cornell	R-GH	37.4	18,729	651
Mahlon Martin	R-GH	57.1	17,846	650

Lactations

Jack Rynd					
Heather	RH	6-03	24,574	3.7	918
Preferc	RH	5-05	27,288	3.3	902
Lucky	RH	5-04	22,583	3.8	870
Rox	RH	3-09	27,005	3.8	1027
Vel-Rus Holsteins					
Marlina	RH	6-08	23,730	4.3	1038
M+M	RH	4-08	21,821	4.1	898
Sunkist	RH	4-07	31,124	3.1	978
Marie	RH	[illegible]	23,436	4.0	948
Richard L. Blac' Phyllis					
Korn	H				
Morrell Farms					
Coconut	RH	5-00	2[illegible]	3.5	857
John Tautin, Sr.					
161	GH	5-10	26,853	3.9	1054
Robert & Linda Field					
Larissa	RH	4-02	21,956	4.1	914
Infield Brothers					
Yo Yo	GH	4-01	20,292	4.3	874
Honey Run Farms					
98	GH	6-02	21,486	4.1	896
Bryan R. McCurdy					
Charlen	RH	10-05	23,817	3.7	881
Sandy	RH	6-11	25,740	3.9	1013
Felicia	RH	5-01	26,052	3.3	871
Fosters Family Farm					
Linda	GH	5-01	22,195	4.0	899
Wil-Aire Farm					
Cassie	RH	5-04	21,318	4.2	904
Alan & Rhona Custead					
Jill	RH	5-09	26,598	3.8	1019
Precous	GH	4-11	21,920	4.1	903
John & Lester Mast					
21	GH	4-01	19,772	4.3	857
Jeffrey Raney					
10	GH	6-01	24,532	3.5	868
Doug Stanhope					
202	GH	6-04	25,648	3.6	931
Raymond A. Holabaugh					
Hope	GH	4-00	25,398	3.4	868
Kara	GH	6-04	23,855	3.8	919
Linz Farms					
Angie	GH	8-10	24,597	3.5	869
Ronnie	GH	8-03	31,989	3.0	971
Conna	GH	7-03	32,391	3.4	1128
Chaney	GH	3-00	33,057	3.2	1089

Mercer County DHIA
October, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Rollin+Dennis James	B3	49.0	89.4	24,117	856
Dewane & Wm Coulter	3	80.4	91.8	20,393	766
Lengel Brothers	G3	160.3	90.2	19,191	730
Dale L Kepner	B3	35.9	88.6	19,860	728
Vantage Jerseys	4	96.5	89.9	16,679	720
Canon Dairy	B3	82.8	86.8	19,695	716
Arthur Baxter	3	42.8	87.9	20,920	712
Dean Moose	4	64.3	88.6	15,370	701
Clan Campbell	G3	73.0	87.3	18,431	694
David L Melton	G3	47.3	87.4	19,388	682
AW Moore	B3	55.6	88.6	18,179	682
Gerald Moose	4	48.7	87.9	13,965	672
A Nych	B3	35.7	85.3	18,946	668
Hunting Valley Dairy	B3	150.7	89.0	17,401	666
Romar Jersey Farm	4	97.7	86.2	14,496	664
Richard E Slater	G3	32.1	88.8	16,592	651

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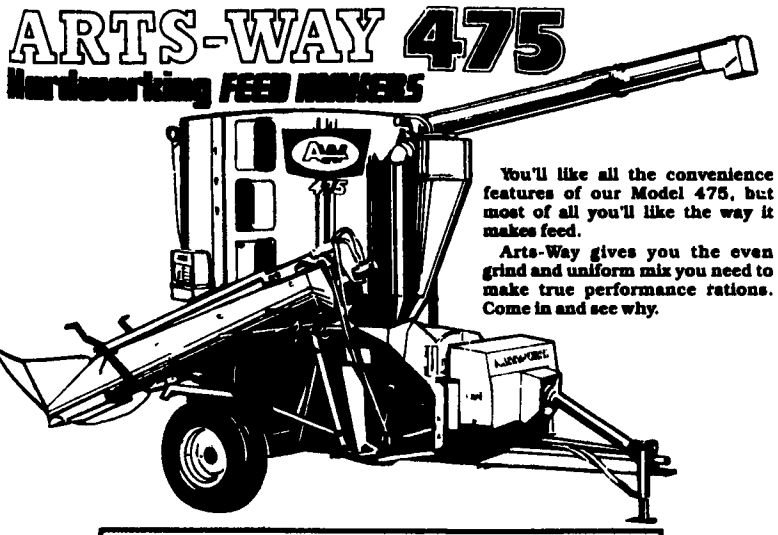

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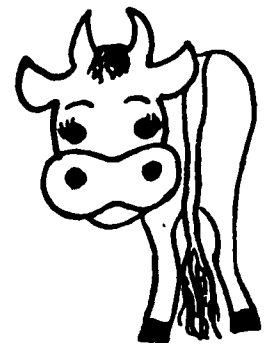

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PSU Establishes New Water Quality Lab

UNIVERSITY PARK (Centre) — Water quality is one of the most pressing issues in today's world, and many graduates from Penn State's College of Agriculture will pursue this area in their careers. To help students get hands-on experience in evaluating water quality, the college has established a new laboratory.

The Fritz Water Quality Laboratory was officially dedicated on Nov. 27. Located in the agricultural engineering building on the University Park Campus, the lab is named after Brent Fritz, an environmental resource management student who died in an accident in 1982, shortly before his graduation.

"Brent had been especially interested in water quality," says Herschel Elliott, associate professor of agricultural engineering and coordinator of the Environmental Resource Management (ERM) Program. "His family wanted to give some money to the university in hopes of furthering his interests. They wanted an alternative to establishing a traditional scholarship, so we used their donation to renovate space for a water quality laboratory and named the lab in Brent's memory." Equipment for the laboratory was funded by a grant from the Pennsylvania Department of Education.

"Universities seem to be offering fewer and fewer lab courses because they are so time- and resource-intensive," says Elliott. "But students need that experiential component of learning. They need to get in there and run the tests themselves, not just read about them in a book or hear about them from a professor."

The Fritz Laboratory is primarily for teaching, but it will also be used for graduate student and faculty research projects. Currently a water quality chemistry class meets there. Students conduct various common water quality tests—analyses for pH levels; nitrogen and phosphorus content; dissolved oxygen levels, important for survival of organisms in streams; and water hardness, a factor in home water supplies.

Students have access to state-of-the-art equipment, including an ion chromatography systems that rapidly analyzes samples for anions—negatively charged molecules such as nitrates, sulfates, phosphates and chlorides. A gas chromatograph quantifies organic materials—pesticides, for example. Another system analyzes water samples for metal content.

"A common problem with many university labs is outdated equipment," says Elliott. "Because this lab has modern equipment, we don't have to teach our students one thing and then say, 'When you get a job you'll probably do it a different way.' We can expose our students to many of the conventional tests and instruments they'll encounter in the working world."

The water quality lab is part of the Environmental Resource Management Program, an interdepartmental program involving Penn State's departments of agricultural engineering, agronomy, horticulture, plant pathology, agricultural economics and rural sociology and the school of forest resources. ERM is a four-year major designed for students interested in an interdisciplinary approach to solving environmental problems. Issues addressed in the program include acid rain, hazardous waste disposal and groundwater pollution.

ERM graduates pursue careers with state and federal agencies. They prepare and evaluate environmental impact statements, develop plans for multipurpose uses of natural resources and analyze environmental and pollution problems. Many recent graduates are working for environmental consulting firms and toxic waste management firms involved in the Environmental Protection Agency's Superfund objects.

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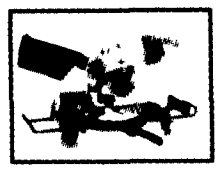

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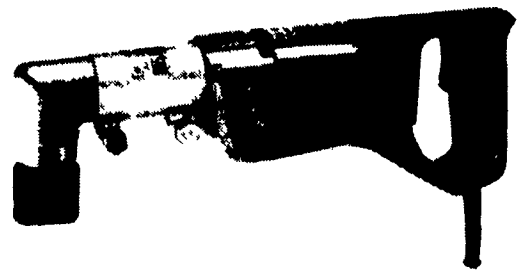

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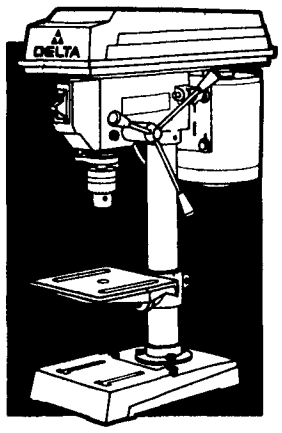

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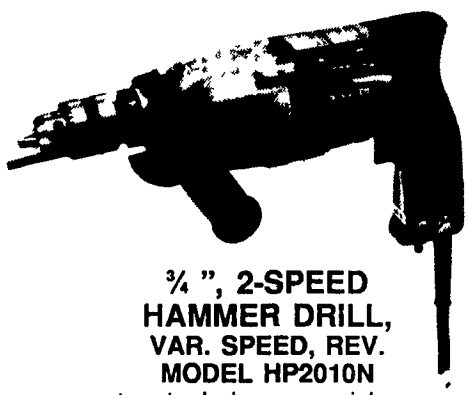

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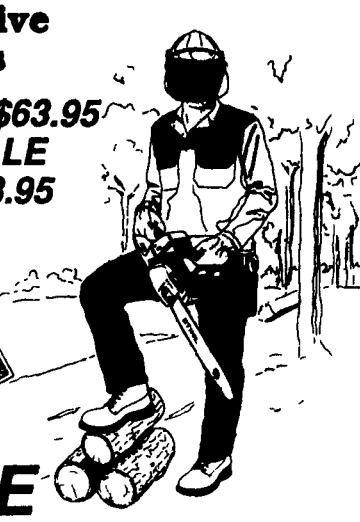

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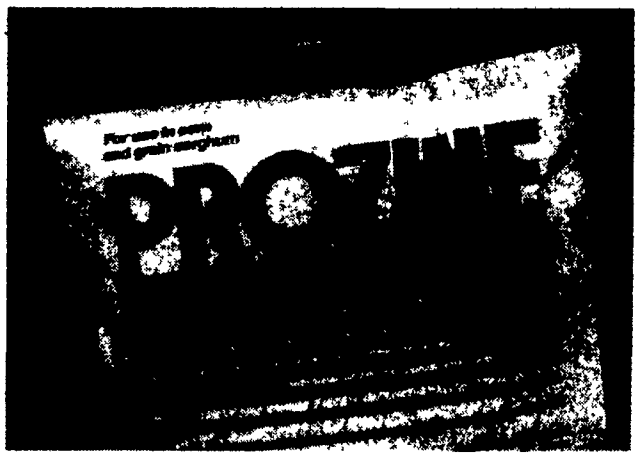

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Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Ardrossan Farms								
Pearlna	**10-00**	**8**	**305**	**28261**	**2.9**	**821**	**4.0**	**1125**
*Ltrose	8-5	7	305	26,442	3.2	846	4.4	1151
BF-Vue	5-9	4	305	25,103	3.3	839	4.5	1135
Alvin S Zook								
Lily	5-10	4	305	25,037	2.8	706	3.2	803
Ardrossan Farms								
Snoquen	8-7	6	305	24,783	3.3	807	4.0	988
MN-Miss	4-4	3	305	24,352	3.3	813	3.9	950
R-Petal	2-11	1	305	23,957	3.0	728	3.6	853
OM-Mint	4-11	3	305	23,872	3.5	842	4.4	1043
Hsnodwn	9-0	7	304	23,793	3.4	809	4.2	1000
Slucete	7-11	6	287	23,413	3.4	804	4.1	962

GUERNSEY

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Trotacre Farm								
361N	**10-03**	**9**	**305**	**26173**	**3.0**	**786**	**3.8**	**1000**
Axel Linde+M Widmann								
Xenia	2-6	1	305	24,026	3.2	763	3.6	866
Joe W & Wilda Ferris								
Sundew	5-11	4	305	23,959	3.3	794	3.9	925
Richard O Smith								
Spangle	6-10	5	305	23,703	3.2	757	3.8	906
Rutter Bros								
Lotty	4-10	3	305	21,204	3.3	698	4.4	940
Kenneth B Garber								
Dancer	3-4	2	305	20,790	3.1	652	4.0	841
Robert B Smith								
80	3-3	2	305	20,711	3.0	621	4.2	876
Axel Linde+M Widmann								
Tinsel	3-1	2	305	20,706	3.5	721	4.9	1008
Robert B Smith								
243	10-3	7	305	20,646	3.4	710	4.3	890
Trotacre Farm								
421N	3-2	2	305	20,575	3.4	701	3.6	744

HOLSTEIN

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Trotacre Farm								
47N	**7-00**	**0**	**305**	**39067**	**2.9**	**1136**	**4.5**	**1754**
Tom & Libby Wilson								
Cutie	6-2	3	305	37,257	3.2	1210	3.7	1389
Matt Will B&W								
Gracey	8-0	5	305	35,609	2.7	971	3.3	1187
Rollin+Dennis James								
Lulu	4-8	3	305	35,163	3.0	1042	3.3	1157
Hiddenview Holsteins								
Marvel	7-8	6	305	34,363	3.0	1037	3.1	1064
North View Farm								
Mollybn	5-11	0	305	34,331	3.1	1080	3.9	1340
Janis	5-5	4	305	34,289	3.2	1087	3.4	1163
Landsdown Farm								
Stella	8-1	6	305	34,180	3.1	1063	3.3	1119
Maple Grove Farm								
#Mystic	3-2	2	305	34,099	3.0	1022	3.6	1239
Leonard G Stoltzfus								
Myrrh	5-8	4	305	34,071	2.9	973	3.4	1173

JERSEY

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Fidler Farm								
19B	**5-10**	**0**	**305**	**21457**	**3.5**	**754**	**4.1**	**874**
Vantage Jerseys								
416	3-1	2	305	21,267	3.7	780	4.0	847
Kenny Dairy Farm								
Martha	6-11	5	305	21,013	3.6	761	4.2	882
Spruce Row Farms								
Verna	6-0	5	305	20,954	3.6	762	4.1	857
David Char Bensink								
Becky	3-11	2	305	20,789	3.1	649	3.8	790
Vantage Jerseys								
185	8-10	8	305	20,477	3.3	682	4.2	855
Spruce Row Farms								
Amanda	9-2	8	305	20,298	3.5	719	4.4	901
Calvin & Judy Watson								
Lois	2-1	1	305	19,860	3.4	685	4.8	944
Vantage Jerseys								
364	4-2	3	305	19,740	3.1	620	4.0	790
Robert C Dreisbach								
374	4-9	3	305	19,696	3.8	747	4.3	845

BROWN SWISS

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Gary Lee Mase								
Lena	**7-02**	**6**	**305**	**27213**	**3.7**	**1019**	**3.6**	**970**
Dean&Brenda Daubert								
Liberty	4-4	3	305	25,937	3.4	894	3.1	800
*Sugar	5-3	4	305	25,870	3.2	831	3.4	876
Gary Lee Mase								
Beatric	4-6	3	305	24,729	3.4	837	3.5	874
William R Daubert								
Joan	10-0	6	305	24,002	3.3	801	3.7	879
Bruce R Heilinger								
Miricle	4-4	3	305	23,832	3.4	816	3.5	840
JL & HF Kennedy								
Marie	7-3	6	305	23,622	3.5	820	3.8	886
Bruce R Heilinger								
Sheba	9-11	8	305	23,174	3.6	823	4.3	1002
Gary Lee Mase								
Tonya	7-3	5	305	23,035	3.5	813	3.4	778
William R Daubert								
Josepin	6-7	5	305	22,757	3.3	757	3.9	879

MILKING SHORTHORN

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
James L. Marsh								
Blue	**7-04**	**7**	**305**	**19922**	**3.2**	**641**	**4.0**	**804**
Samuel G Yoder								
Solo	5-2	3	305	19,425	3.1	611	3.4	669
J Douglas Marsh								
Speckle	9-0	0	305	18,914	3.4	652	4.4	837
Samuel G Yoder								
Jill	6-11	4	305	18,855	3.1	580	3.5	656
J Douglas Marsh								
Teespot	5-4	4	305	18,630	3.1	583	4.9	919
Harrop Farm								
62	4-0	2	305	17,763	3.1	549	3.4	604
J Douglas Marsh								
Specks	5-4	4	305	17,569	3.3	575	3.6	640
Dave-Denise Whiting								
Polly	5-3	5	297	17,303	3.1	533	3.4	589
J Douglas Marsh								
Venture	4-4	3	305	16,911	3.0	509	3.7	623
Samuel G Yoder								
Nita 3	12-1	9	305	16,801	3.0	509	3.2	532

MIXED

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Larry P. Dotterer								
129	**4-03**	**3**	**305**	**26690**	**3.2**	**846**	**3.5**	**932**
Aaron E Allgyer								
Floss	5-4	4	305	25,168	2.8	711	3.1	768
Henry U Stoltzfus Jr								
Bubbles	2-3	1	305	24,398	3.2	783	3.8	935
Ronald Martin								
Frosty	4-6	3	305	24,085	2.8	686	2.9	697
Terry + Deb Dickey								
Carol	3-4	2	305	23,906	2.7	637	3.0	712
Aaron E Allgyer								
Violet	5-9	4	305	23,824	3.2	754	3.4	800
MW Smith Farms								
Brownie	5-9	4	305	22,702	3.0	671	3.2	732
Allen A Davis								
16	5-2	0	305	22,269	3.4	757	3.6	793
Larry P Dotterer								
31	4-9	3	305	21,785	2.8	620	3.2	693
86	4-9	2	291	21,687	2.9	628	3.7	809

RED & WHITE

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Matt Will R&W								
Marcell	**5-0**	**2**	**305**	**29702**	**2.8**	**825**	**3.5**	**1052**
Marvel	3-9	3	305	27,427	2.8	767	3.0	833
Kathy	3-11	2	305	26,107	3.2	826	3.4	887
Locust-Ridge Farm								
Jen	5-8	4	305	26,011	3.1	795	2.9	754
Matt Will								
Di	3-2	2	305	25,467	3.0	768	3.2	811
Kin Du Farm								
Fawn	6-3	5	305	25,288	3.0	753	3.5	885
Karl W Herr								
5RSCL	5-10	4	305	25,151	2.8	711	4.3	1084
Herman Stoltzfus								
Cordel	3-6	2	305	25,100	2.7	681	2.7	684
Kevin Risser								
Sleepy	5-1	2	305	24,590	3.2	788	4.1	1020
Kin Du Farm								
Middy	6-5	5	305	24,357	3.3	800	4.3	1036

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AYRSHIRE

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Ardrossan Farms								
Ltrose	**8-05**	**7**	**305**	**26442**	**3.2**	**846**	**4.4**	**1151**
BF-Vue	5-9	4	305	25,103	3.3	839	4.5	1135
Pearlna	10-0	8	305	28,261	2.9	821	4.0	1125
OM-Mint	4-11	3	305	23,872	3.5	842	4.4	1043
Robert-Sharon Nolan								
Eva 10	6-3	4	305	22,999	3.4	789	4.5	1029
Ardrossan Farms								
RM-Snow	4-9	3	305	22,460	3.3	742	4.5	1018
Hsnodwn	9-0	7	304	23,793	3.4	809	4.2	1000
Pvforsi	9-3	8	305	22,925	3.2	737	4.3	995
Snoquen	8-7	6	305	24,783	3.3	807	4.0	988
Wizzing	3-4	2	305	23,027	3.5	814	4.3	987

GUERNSEY

Robert B. Smith								
150	**4-04**	**3**	**305**	**20464**	**3.3**	**680**	**5.1**	**1051**
Axel Linde+M Widmann								
Tinsel	3-1	2	305	20,706	3.5	721	4.9	1008
Trotacre Farm								
361N	10-3	9	305	26,173	3.0	786	3.8	1000
505N	4-11	3	305	18,060	4.1	734	5.3	958
Kenneth B Garber								
Dolly	6-8	5	305	18,652	3.5	644	5.1	957
Lyle+Laureen Wright								
Luara	7-9	6	305	18,053	3.9	698	5.2	940
Rutter Bros								
Lotty	4-10	3	305	21,204	3.3	698	4.4	940
Trotacre Farm								
4N	5-4	0	305	18,472	3.8	704	5.1	936
Joe W & Wilda Ferris								
Sundew	5-11	4	305	23,959	3.3	794	3.9	925
Kenneth B Garber								
Hattie	7-1	4	305	17,800	3.3	588	5.1	913

HOLSTEIN

Trotacre Farm								
47N	**7-00**	**0**	**305**	**39067**	**2.9**	**1136**	**4.5**	**1754**
Plushanski Farms Inc								
#Fobes	6-0	4	305	30,536	3.3	996	5.2	1600
Junge Farms								
Pixy	4-10	3	305	29,088	3.3	954	4.9	1426
William G Howerter								
Thel	6-3	5	305	33,971	3.4	1169	4.1	1400
Tom & Libby Wilson								
Cutie	6-2	3	305	37,257	3.2	1210	3.7	1389
North View Farm								
Mollybn	5-11	0	305	34,331	3.1	1080	3.9	1340
Mt View Acres								
Mae	4-9	0	305	26,562	3.5	942	5.0	1335
John H Howard								
Bernice	9-9	7	305	32,175	3.2	1025	4.1	1332
Harry Mosholder								
Billie	4-7	3	305	33,293	3.3	1086	3.9	1307
Ben & Dean Jackson								
Helga	8-1	6	305	33,177	3.2	1078	3.9	1304

JERSEY

Robert Ulrich Jr.								
Florenc	**7-10**	**7**	**305**	**19206**	**3.6**	**687**	**5.0**	**960**
Calvin & Judy Watson								
Lois	2-1	1	305	19,860	3.4	685	4.8	944
William R Yoder								
29Jewel	5-11	5	305	19,290	3.5	680	4.9	942
Calvin & Judy Watson								
Milady	4-6	3	305	19,401	3.7	709	4.8	936
Robert C Dreisbach								
409	4-4	3	305	16,710	4.0	661	5.5	915
William R Yoder								
12 Girl	5-11	4	305	16,583	3.8	627	5.5	913
Kenny Dairy Farm								
200K	4-4	3	305	18,823	3.6	681	4.8	904
Spruce Row Farms								
Amanda	9-2	8	305	20,298	3.5	719	4.4	901
Robert W Ulrich Jr								
Luella	6-5	5	305	17,079	3.8	642	5.3	901
Ed Byers								
Saltine	3-1	2	305	18,703	3.7	696	4.8	901

BROWN SWISS

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Bruce R. Heilinger								
Sheba	**9-11**	**8**	**305**	**23174**	**3.6**	**823**	**4.3**	**1002**
Gary Lee Mase								
Lena	7-2	6	305	27,213	3.7	1019	3.6	970
William R Daubert								
Countes	6-2	0	305	22,334	3.7	823	4.3	957
Donald B Trimble								
Niobe	5-6	4	305	21,351	3.7	786	4.4	942
Dean&Brenda Daubert								
Emily	6-7	5	305	20,042	3.9	777	4.7	938
#Joana	4-5	3	305	21,609	3.6	787	4.3	937
Crissons Farms								
45	4-0	3	285	17,606	3.0	523	5.2	920
Hays Park Farms								
22	5-11	5	282	20,649	3.6	745	4.4	912
Delaware Val College								
Marcy	4-7	3	305	21,295	3.6	764	4.2	902
Bruce R Heilinger								
Linda	9-5	0	305	22,535	3.5	790	4.0	895

MILKING SHORTHORN

J. Douglas Marsh								
Teespot	**5-04**	**4**	**305**	**18630**	**3.1**	**583**	**4.9**	**919**
Speckle	9-0	0	305	18,914	3.4	652	4.4	837
James L Marsh								
Blue	7-4	7	305	19,922	3.2	641	4.0	804
J Douglas Marsh								
Candy-P	4-3	3	305	15,463	3.6	551	4.4	686
Samuel G Yoder								
Solo	5-2	3	305	19,425	3.1	611	3.4	669
Jill	6-11	4	305	18,855	3.1	580	3.5	656
J Douglas Marsh								
Teebone	4-5	3	295	14,123	3.4	477	4.6	651
Lee Payne								
Millie	3-3	2	299	15,133	3.3	500	4.3	646
Donald E Wivell								
Virginia	7-7	6	297	15,605	3.2	495	4.1	643
J Douglas Marsh								
Specks	5-4	4	305	17,569	3.3	575	3.6	640

MIXED

Amasa Hill Farm								
Floy	**5-03**	**3**	**305**	**20992**	**3.5**	**730**	**4.7**	**980**
Henry U Stoltzfus Jr								
Bubbles	2-3	1	305	24,398	3.2	783	3.8	935
Larry P Dotterer								
129	4-3	3	305	26,690	3.2	846	3.5	932
David J Woods								
66	3-2	2	305	20,837	3.5	719	4.3	886
Crissons Farms								
99	4-5	3	305	20,929	3.2	669	4.2	880
Robert M Crowl Jr								
79	4-4	3	305	19,314	3.5	674	4.3	836
Stephen L Martin								
32	6-4	0	305	21,525	3.1	678	3.9	835
Marshie Chess								
Coco	3-7	2	305	17,352	3.7	636	4.7	823
Larry P Dotterer								
86	4-9	2	291	21,687	2.9	628	3.7	809
163	4-5	3	305	21,101	3.1	644	3.8	808

RED & WHITE

Karl W. Herr R-W								
5RSCL	**5-10**	**4**	**305**	**25151**	**2.8**	**711**	**4.3**	**1084**
Matt Will								
Marcell	5-0	2	305	29,702	2.8	825	3.5	1052
Kin Du Farm								
Middy	6-5	5	305	24,357	3.3	800	4.3	1036
Kevin Risser								
Sleepy	5-1	2	305	24,590	3.2	788	4.1	1020
North View Farm								
#Brita	4-5	3	305	23,271	3.4	783	4.1	955
Matt Will								
Megan	4-10	3	300	23,858	3.0	727	4.0	944
Kin Du Farm								
Amanda	4-6	3	305	21,049	3.2	666	4.4	929
Matt Will								
Gina	8-7	7	289	23,324	3.1	727	4.0	926
Ann	3-8	2	305	23,103	3.2	734	3.9	905
Kin Du Farm								
Peachy	5-3	4	303	23,029	3.3	751	3.9	900

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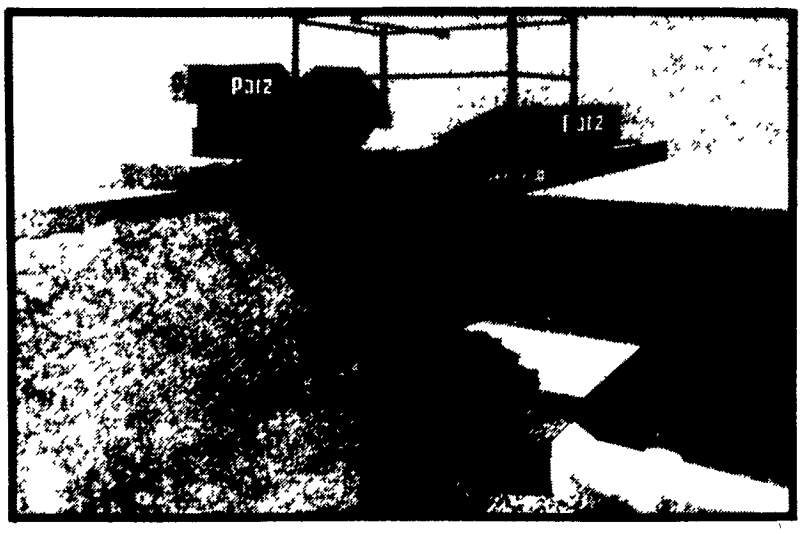
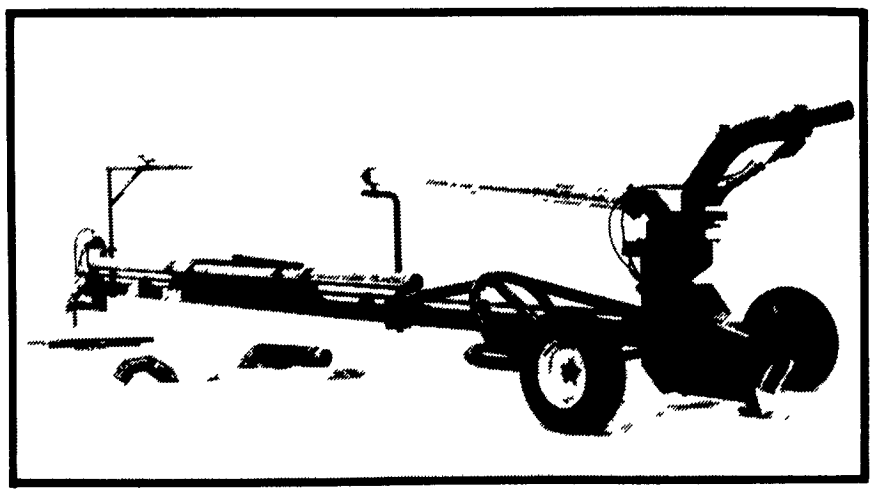
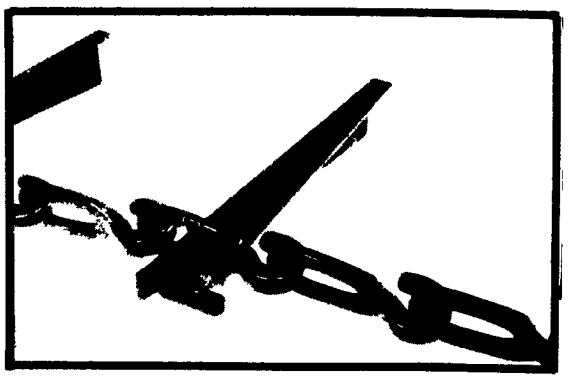


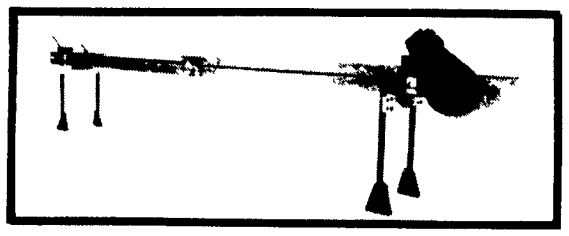
Model 100 Slurry Pump



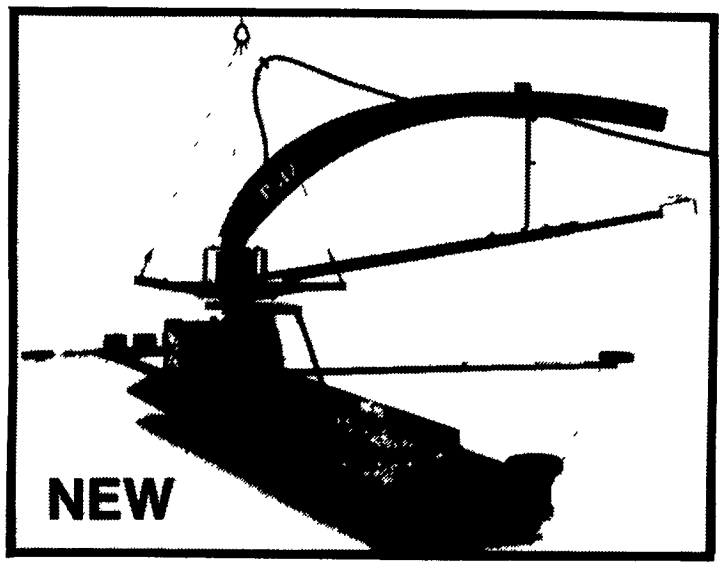
Model 477 Lagoon Pump



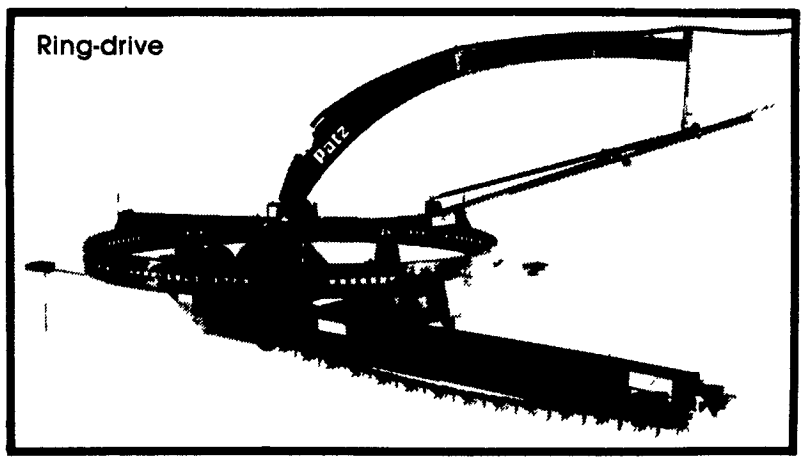
Patz Chain



Model 8612 Belt Conveyor

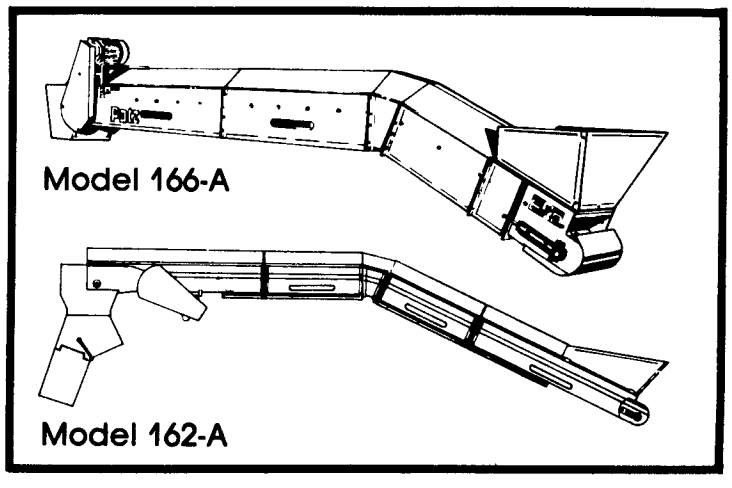


Model 8800 & 8810 Silo Unloaders
Dual Auger Surface Drive &
Dual Auger Center Drive



Ring-Drive Silo Unloader

Ring-Drive or Surface Drive
Feeding Systems



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Pennsylvania's Top Protein Producing Cows

AYRSHIRE

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Ardrossan Farms								
Ltrose	**8-05**	**7**	**305**	**26442**	**3.2**	**846**	**4.4**	**1151**
OM-Mint	4-11	3	305	23,872	3.5	842	4.4	1043
BF-Vue	5-9	4	305	25,103	3.3	839	4.5	1135
Pearlna	10-0	8	305	28,261	2.9	821	4.0	1125
Wizzing	3-4	2	305	23,027	3.5	814	4.3	987
MN-Miss	4-4	3	305	24,352	3.3	813	3.9	950
Hsnodwn	9-0	7	304	23,793	3.4	809	4.2	1000
Snoquen	8-7	6	305	24,783	3.3	807	4.0	988
Slucete	7-11	6	287	23,413	3.4	804	4.1	962
Robert-Sharon Nolan								
Eva	6-3	4	305	22,999	3.4	789	4.5	1029

GUERNSEY

Joe W. & Wilda Ferris								
Sundew	**5-11**	**4**	**305**	**23959**	**3.3**	**794**	**3.9**	**925**
Trotacre Farm								
361N	10-3	9	305	26,173	3.0	786	3.8	1000
Axel Linde+M Widmann								
Xenia	2-6	1	305	24,026	3.2	763	3.6	866
Richard O Smith								
Spangle	6-10	5	305	23,703	3.2	757	3.8	906
Trotacre Farm								
505N	4-11	3	305	18,060	4.1	734	5.3	958
Axel Linde+M Widmann								
Tinsel	3-1	2	305	20,706	3.5	721	4.9	1008
Rutter Bros								
Sid	7-4	6	305	19,875	3.6	711	4.0	792
Robert B Smith								
243	10-3	7	305	20,646	3.4	710	4.3	890
Trotacre Farm								
4N	5-4	0	305	18,472	3.8	704	5.1	936
Axel Linde+M Widmann								
Jade	4-11	3	305	19,628	3.6	702	4.5	881

HOLSTEIN

Tom & Libby Wilson								
Cutie	**6-02**	**3**	**305**	**37257**	**3.2**	**1210**	**3.7**	**1389**
William G Howerter								
Thel	6-3	5	305	33,971	3.4	1169	4.1	1400
Trotacre Farm								
47N	7-0	0	305	39,067	2.9	1136	4.5	1754
Sec Win Farm								
Jenifer	7-10	5	305	32,433	3.4	1100	3.2	1053
North View Farm								
Janis	5-5	4	305	34,289	3.2	1087	3.4	1163
Harry Mosholder								
Billie	4-7	3	305	33,293	3.3	1086	3.9	1307
North View Farm								
Chrisma	6-4	4	305	33,544	3.2	1085	3.5	1168
Mollybn	5-11	0	305	34,331	3.1	1080	3.9	1340
Ben & Dean Jackson								
Helga	8-1	6	305	33,177	3.2	1078	3.9	1304
Landsdown Farm								
Stella	8-1	6	305	34,180	3.1	1063	3.3	1119

JERSEY

Vantage Jerseys								
416	**3-01**	**2**	**305**	**21267**	**3.7**	**780**	**4.0**	**847**
Spruce Row Farms								
Darlin	4-6	3	305	19,203	4.0	767	4.2	800
Verna	6-0	5	305	20,954	3.6	762	4.1	857
Kenny Dairy Farm								
Martha	6-11	5	305	21,013	3.6	761	4.2	882
Fidler Farm								
19B	5-10	0	305	21,457	3.5	754	4.1	874
Robert C Dreisbach								
374	4-9	3	305	19,696	3.8	747	4.3	845
Herman David Cvetan								
97HPI	5-1	4	305	19,688	3.7	733	4.1	800
Spruce Row Farms								
Amanda	9-2	8	305	20,298	3.5	719	4.4	901
Gidget	3-7	2	305	18,369	3.9	712	4.5	828
Calvin & Judy Watson								
Milady	4-6	3	305	19,401	3.7	709	4.8	936

BROWN SWISS

Farm Name/ Barn Name	Age Yr.-Mo.	Lact. No.	Days 2X	Milk Lbs.	Prot. %	Prot. Lbs.	Fat %	Fat Lbs.
Gary Lee Mase								
Lena	**7-02**	**6**	**305**	**27213**	**3.7**	**1019**	**3.6**	**970**
Dean&Brenda Daubert								
Liberty	4-4	3	305	25,937	3.4	894	3.1	800
Gary Lee Mase								
Beatric	4-6	3	305	24,729	3.4	837	3.5	874
Dean & Brenda Daubert								
*Sugar	5-3	4	305	25,870	3.2	831	3.4	876
Bruce R Heilinger								
Sheba	9-11	8	305	23,174	3.6	823	4.3	1002
William R Daubert								
Countes	6-2	0	305	22,334	3.7	823	4.3	957
JL & HF Kennedy								
Marie	7-3	6	305	23,622	3.5	820	3.8	886
Bruce R Heilinger								
Miricle	4-4	3	305	23,832	3.4	816	3.5	840
Gary Lee Mase								
Tonya	7-3	5	305	23,035	3.5	813	3.4	778
William R Daubert								
Joan	10-0	6	305	24,002	3.3	801	3.7	879

MILKING SHORTHORN

J. Douglas Marsh								
Speckle	**9-00**	**0**	**305**	**18914**	**3.4**	**652**	**4.4**	**837**
James L Marsh								
Blue	7-4	7	305	19,922	3.2	641	4.0	804
Harold Kathy Shaulis								
63Toby	4-5	3	305	17,987	3.6	639	3.7	671
Samuel G Yoder								
Solo	5-2	3	305	19,425	3.1	611	3.4	669
J Douglas Marsh								
Teespot	5-4	4	305	18,630	3.1	583	4.9	919
Samuel G Yoder								
Jill	6-11	4	305	18,855	3.1	580	3.5	656
J Douglas Marsh								
Specks	5-4	4	305	17,569	3.3	575	3.6	640
Candy-P	4-3	3	305	15,463	3.6	551	4.4	686
Harrop Farm								
62	4-0	2	305	17,763	3.1	549	3.4	604
Dave-Denise Whiting								
Polly	5-3	5	297	17,303	3.1	533	3.4	589

MIXED

Larry P. Dotterer								
129	**4-03**	**3**	**305**	**26690**	**3.2**	**846**	**3.5**	**932**
Henry U Stoltzfus Jr								
Bubbles	2-3	1	305	24,398	3.2	783	3.8	935
Allen A Davis								
16	5-2	0	305	22,269	3.4	757	3.6	793
Aaron E Allgyer								
Violet	5-9	4	305	23,824	3.2	754	3.4	800
Amasa Hill Farm								
Floy	5-3	3	305	20,992	3.5	730	4.7	980
Rick Phillips								
Browny	7-1	6	305	20,616	3.5	727	3.4	701
David J Woods								
66	3-2	2	305	20,837	3.5	719	4.3	886
Aaron E Allgyer								
Floss	5-4	4	305	25,168	2.8	711	3.1	768
Ronald Martin								
Frosty	4-6	3	305	24,085	2.8	686	2.9	697
Stephen L Martin								
32	6-4	0	305	21,525	3.1	678	3.9	835

RED & WHITE

Matt Will R&W								
Kathy	**3-11**	**2**	**305**	**26107**	**3.2**	**826**	**3.4**	**887**
Marcell	5-0	2	305	29,702	2.8	825	3.5	1052
Kin Du Farm								
Middy	6-5	5	305	24,357	3.3	800	4.3	1036
Locust-Ridge Farm								
Jen	5-8	4	305	26,011	3.1	795	2.9	754
Kevin Risser								
Sleepy	5-1	2	305	24,590	3.2	788	4.1	1020
North View Farm								
#Brita	4-5	3	305	23,271	3.4	783	4.1	955
Fred + Gary Bechtel								
Angie	7-11	7	305	23,168	3.3	768	3.6	845
Matt Will								
Di	3-2	2	305	25,467	3.0	768	3.2	811
Marvel	3-9	3	305	27,427	2.8	767	3.0	833
Kin Du Farm								
Fawn	6-3	5	305	25,288	3.0	753	3.5	885

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Woods model 1050 reaches 13'1" and digs 10'7" below grade with tractors rated 50 hp to 130 hp. Ideal for farming, light construction and landscaping. Other uses include golf courses, nurseries, utility companies and cemeteries...footings, wiring trenches, irrigation ditches, drainage ditches...do them all and more. Woods model 1050 has the features that make the "on-the-job" difference.

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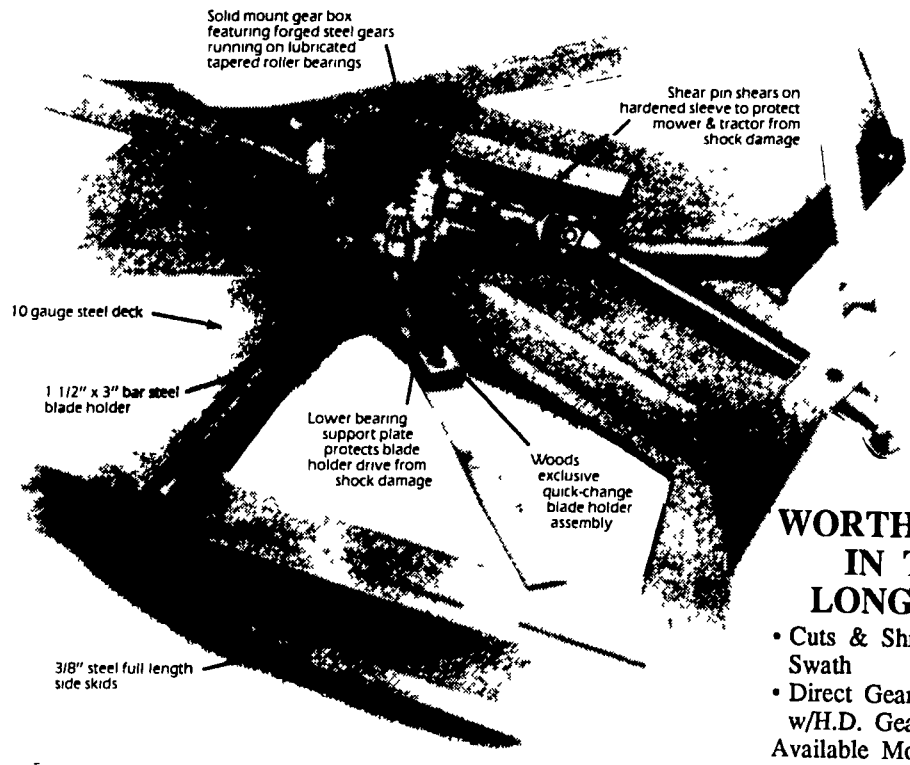
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Lower bearing support plate protects blade holder drive from shock damage
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Top Rolling Herd Averages By Milk Of 1988

AYRSHIRE

Name, Town	Milk Lbs.	Fat Lbs.	Pro Lbs.
Ardrossan Farms, Villanova	**19875**	**824**	**660**
Harold G Shelly, Manheim	16,261	664	536
Dean E Varner, Shirleysburg	16,019	635	555
Plum-Bottom Farm, Belleville	15,831	588	549
Charles-Don Gable, Elverson	15,810	675	539
Delaware Val College, Doylestown	15,605	580	509
Penn State Univ, University Park	15,547	611	504
Ridge View Farm, Mill Hall	15,252	601	507
Warren A Schmuck, Peach Bottom	15,031	615	519
Heindel Farms Inc, Womelsdorf	14,780	601	487
Alvin S Zook, Honey Brook	14,132	540	463
James Martin, Stevens	14,111	574	477
Rob-Bonnie Wentworth, Quarryville	13,840	542	475
Macks Ayrshire Farm, Pen Argyl	13,570	481	458
Sycamore Meade Farm, Millersburg	13,544	539	463
Masonic Homes Farms, Elizabethtown	13,508	504	445
Roy+Ruth Greenley, Tunkhannock	13,489	507	434
Tshudy Farm, Annville	13,429	543	424
Greg-Trixie Kilmer, Towanda	13,296	504	450
Warren Thomas, Emlenton	12,965	495	432
Harold R Kulp, Pottstown	12,937	511	439

BROWN SWISS

Name, Town	Milk Lbs.	Fat Lbs.	Pro Lbs.
Bruce R. Heilinger, Newmanstown	**18545**	**714**	**647**
Penn State Univ, University Park	17,128	704	585
Dean&Brenda Daubert, Bernville	16,926	668	602
Kerry & Deborah Boyd, Ephrata	16,566	678	594
Tice-Platz, Boydton	16,556	679	565
Gary Lee Mase, Lebanon	16,502	657	585
Donald B Trimble, Peach Bottom	16,005	691	574
Delaware Val College, Doylestown	15,771	665	572
Richard G Wenger, Manheim	15,422	591	519
JL & HF Kennedy, Butler	15,045	618	539
William R Daubert, Pine Grove	14,918	600	526
Richard Martin, Volant	14,889	596	519
Ralph + Gary Oakes, Jackson Center	14,488	562	481
Leonard C Queitzsch, Mifflintown	14,306	555	463
Bo Joy Farm, Quarryville	13,902	562	484
Donald E Cole, Columbia Cross Rd	13,861	538	465
Jerry A Krone, Parkesburg	13,639	522	481
Byler Brothers Farm, Spartansburg	13,337	548	467
H & R Dairy Farm, Gillett	13,202	482	445
Lloyd Lohr, Stoystown	12,943	556	482
Richard H Hoffman, Bernville	12,399	465	419

GUERNSEY

Richard O. Smith, New Hope	**15957**	**729**	**546**
Axel Linde+M Widmann, Oxford	15,718	698	561
Bruce+Brenda Hemsarth, Millville	15,095	743	551
Ben Jackson, Columbia Cross Rd	14,911	679	513
Keystone Guernsey Fm, Halifax	14,882	641	514
A James Celestine, Scenery Hill	14,863	657	517
John & JE Marchezak, Bentleyville	14,508	671	517
Mark D Garber, Waynesboro	14,323	669	534
Robert B Smith, Annville	14,275	671	485
Ray Roger Garber, Chambersburg	13,933	682	517
Gregory L Kennis, Dubois	13,930	600	478
Walnut Lane Farm, Mercersburg	13,926	612	499
Rutter Bros, York	13,913	654	490
Joe W & Wilda Ferris, New Wilmington	13,891	635	511
Mervin W Hertzler, Seven Valleys	13,867	629	473
Piney Lane Guernseys, Littlestown	13,808	607	485
Cedar Fringed Farm, Peach Bottom	13,706	637	480
Lyle+Laureen Wright, Canton	13,643	621	476
Trotacre Farm, Enon Valley	13,638	613	491
Orner Farms Inc, Rockton	13,636	606	471
Kenneth B Garber, Willow Street	13,560	656	473

MILKING SHORTHORN

J. Douglas Marsh, Nottingham	**13897**	**547**	**454**
Dave-Denise Whiting, Edinburg	8,700	295	282

Robert Smith's 4-year-old, Lebanon Valley Star Elsie is Pennsylvania's number one Guernsey in butterfat at 1,051 F.

HOLSTEIN

Smysers Richlawn Farms, York	**24645**	**862**	**770**
Linz Farms, Springboro	24,527	832	762
Carl R Slater & Son, Bloomsburg	24,192	858	761
Eugene W Hall, Muncy	24,104	911	810
John H Howard, Willow Street	24,071	878	764
North View Farm, Berlin	23,855	843	765
Rollin+Dennis James, Sandy Lake	23,821	840	745
Harry Mosholder, Rockwood	23,819	846	772
Dale & Steve Hershey, Manheim	23,523	823	735
William E Hunsberger, Davidsville	23,436	853	751
Hiddenview Holsteins, Robesonia	23,330	855	743
TR Williams+Son, Uniondale	23,257	834	733
Jacob S Stoltzfus, Lewisburg	23,248	884	731
William Brown, Rome	23,238	921	736
How Rich Farms, Albion	23,143	789	693
Keystone Farm, Easton	23,080	874	742
Roy E Nolt, Richland	23,006	791	709
Ammon E Reiff, Lititz	22,997	862	720
Thomas Traver, Meshoppen	22,988	820	713
Daryl Button, Nicholson	22,976	793	723
Latuch Bros, Rockwood	22,932	861	727

MIXED

Lynn & Margaret Neer, Lewistown	**24158**	**874**	**748**
Tom-Elaine Comstock, Ulster	22,302	760	708
Kin Du Farm, Crystal Spring	21,964	815	691
Wea-Leand Farm, Quarryville	20,379	720	670
Samuel K Stoltzfus, Honeybrook	19,806	745	622
Charles Irons, Smethport	19,569	748	629
Samuel F Long, Peach Bottom	19,528	669	601
Leon N Sensenig, Peach Bottom	19,364	677	601
Fidler Farm, Pottsville	18,724	658	616
Rick + Linda Stuchal, Slippery Rock	18,682	640	575
Joe Arbuckle, Cochranton	18,617	678	566
Gregory&Nancy Yocum, Blairs Mills	18,607	664	573
Joseph Egolf, Alum Bank	18,552	657	585
Brian Futhey, Coburn	18,486	682	592
Leroy E Walker, New Freedom	18,431	638	621
Kevin Stahlnecker, Oxford	18,383	723	590
Agravation Acres, Russell	18,286	602	579
Phil + Jerry Piroch, Butler	18,109	671	586
Seldomrest "F" Farm, Guys Mills	18,040	679	590
Kau-Mar Farm, Spring Mills	17,966	632	560
Ronald Erma Herr, Ulster	17,931	616	595

JERSEY

Vantage Jerseys, Fredona	**16555**	**715**	**574**
Spruce Row Farms, Meadville	15,400	681	579
Dean Moose, New Wilmington	15,370	701	561
Mark McCorkel, Christiana	14,984	685	543
William R Yoder, Meyersdale	14,802	728	528
Jersey Acres Fms Inc, Pine Grove	14,687	700	557
Romar Jersey Farm, New Wilmington	14,496	664	528
Star Point Jerseys, Oxford	14,239	656	538
Jerry-N-Jane Schimpf, Somerset	14,098	680	541
Gerald Moose, Mercer	14,050	685	547
Clarence L Mowry, Smicksburg	14,016	595	507
Rankin Farm, Burgettstown	14,008	662	546
Eugene&Brian Harris, Milan	13,968	611	492
Frosty-Vale Farm, Knoxville	13,894	638	504
Clark's Dairy Farm, Enon Valley	13,833	642	503
Van De Jersey, Transfer	13,725	644	500
Robert W Ulrich Jr, Quarryville	13,657	675	530
Maran-Atha Farm, Friedens	13,605	632	519
Thomas Horst, Chambersburg	13,604	602	508
Robert C Dreisbach, Hamburg	13,550	663	516
Bill Cleveland, Wellboro	13,502	628	492

RED & WHITE

Matt Will R&W, Troy	**21914**	**788**	**671**
Karl W Herr, Kirkwood	18,231	666	567
Anthony Carpenter, Crystal Springs	17,227	624	535
Purndale Farm, Wells Tannery	17,051	648	548
Eli H Weiler, Stevens	16,481	638	525
Minor Sons, Jackson Center	16,355	533	530
Latini Brothers, Wyalusing	15,455	572	503
C Wayne Lapp, Milton	13,908	516	442
Endless Mts Farm I, Laceyville	10,920	404	349

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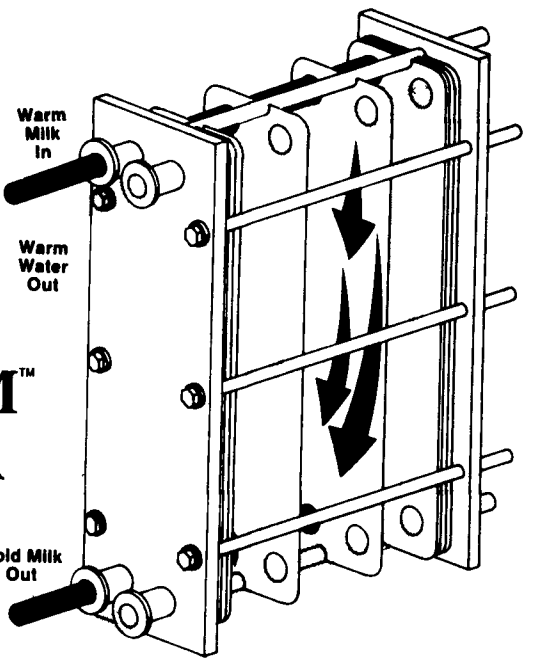

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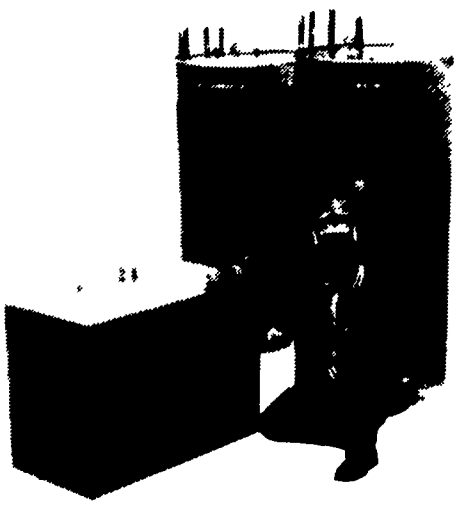

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Bally, Pa 19503
PH: 215-845-2261

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PH: 717-297-3972

Martin's Refrigeration Service
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Hagerstown, MD 21740
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301-797-3921

Regional Manager
Eastern PA
Michael B. Conklin
Rt 90, Box 248
Locke, New York 13092
PH: 315-497-1133

Regional Manager
Western PA
F.M. Fritz Marin
1619 N Dade Drive
Jackson, MI 49203
PH: 517-787-9361

Top Rolling Herd Averages By Fat Of 1988

AYRSHIRE

Name, Town	Milk Lbs.	Fat Lbs.	Pro Lbs.
Ardrossan Farms, Villanova	**19875**	**824**	**660**
Charles-Don Gable, Elverson	15,810	675	539
Harold G Shelly, Manheim	16,261	664	536
Dean E Varner, Shirleysburg	16,019	635	555
Warren A Schmuck, Peach Bottom	15,031	615	519
Penn State Univ, University Park	15,547	611	504
Ridge View Farm, Mill Hall	15,252	601	507
Heindel Farms Inc, Womelsdorf	14,780	601	487
Plum-Bottom Farm, Belleville	15,831	588	549
Delaware Val College, Doylestown	15,605	580	509
James Martin, Stevens	14,111	574	477
Tshudy Farm, Annville	13,429	543	424
Rob-Bonnie Wentworth, Quarryville	13,840	542	475
Alvin S Zook, Honey Brook	14,132	540	463
Sycamore Meade Farm, Millersburg	13,544	539	463
Harold R Kulp, Pottstown	12,937	511	439
Roy+Ruth Greenley, Tunkhannock	13,489	507	434
Masonic Homes Farms, Elizabethtown	13,508	504	445
Greg-Trixie Kilmer, Towanda	13,296	504	450
Warren Thomas, Emlenton	12,965	495	432
Macks Ayrshire Farm, Pen Argyl	13,570	481	458

BROWN SWISS

Name, Town	Milk Lbs.	Fat Lbs.	Pro Lbs.
Bruce R. Heilinger, Newmanstown	**18545**	**714**	**647**
Penn State Univ, University Park	17,128	704	585
Donald B Trimble, Peach Bottom	16,005	691	574
Tice-Platz, Boydton	16,556	679	565
Kerry & Deborah Boyd, Ephrata	16,566	678	594
Dean&Brenda Daubert, Bernville	16,926	668	602
Delaware Val College, Doylestown	15,771	665	572
Gary Lee Mase, Lebanon	16,502	657	585
JL & HF Kennedy, Butler	15,045	618	539
William R Daubert, Pine Grove	14,918	600	526
Richard Martin, Volant	14,889	596	519
Richard G Wenger, Manheim	15,422	591	519
Ralph + Gary Oakes, Jackson Center	14,488	562	481
Bo Joy Farm, Quarryville	13,902	562	484
Lloyd Lohr, Stoystown	12,943	556	482
Leonard C Queitzsch, Mifflintown	14,306	555	463
Byler Brothers Farm, Spartansburg	13,037	548	467
Donald E Cole, Columbia Cross Rd	13,861	538	465
Jerry A Krone, Parkesburg	13,639	522	481
Swamp Creek Swiss, Garrett	11,884	515	425
DML Brown Swiss Farms, Danville	12,349	491	435

GUERNSEY

Bruce Hemsarth, Millville	**15095**	**743**	**551**
Richard O Smith, New Hope	15,957	729	546
Axel Linde+M Widmann, Oxford	15,718	698	561
Ray Roger Garber, Chambersburg	13,933	682	517
Ben Jackson, Columbia Cross Rd	14,911	679	513
John & JE Marchezak, Bentleyville	14,508	671	517
Robert B Smith, Annville	14,275	671	485
Mark D Garber, Waynesboro	14,323	669	534
A James Celestine, Scenery Hill	14,863	657	517
Kenneth B Garber, Willow Street	13,560	656	473
Rutter Bros, York	13,913	654	490
Keystone Guernsey Fm, Halifax	14,882	641	514
Warren D Pifer, Reynoldsville	13,550	638	484
Cedar Fringed Farm, Peach Bottom	13,706	637	480
Joe W & Wilda Ferris, New Wilmington	13,891	635	511
Mervin W Hertzler, Sevenvalleys	13,867	629	473
Lyle+Laureen Wright, Canton	13,643	621	476
Trotacre Farm, Enon Valley	13,638	613	491
Fred M Garber, Chambersburg	13,281	613	486
Walnut Lane Farm, Mercersburg	13,926	612	499
Piney Lane Guernseys, Littlestown	13,808	607	485

HOLSTEIN

William Brown, Rome	**23238**	**921**	**736**
Eugene W Hall, Muncy	24,104	911	810
Jacob S Stoltzfus, Lewisburg	23,248	884	731
John H Howard, Willow Street	24,071	878	764
Keystone Farm, Easton	23,080	874	742
Henry U Stoltzfus Jr, Honey Brook	22,475	864	710
Smysers Richlawn Fms, York	24,645	862	770
Ammon E Reiff, Lititz	22,997	862	720
Latuch Bros, Rockwood	22,932	861	727
Thomas W Kelly, Tyrone	22,572	860	687
Scott & Lynn Cook, Rome	21,296	860	669
Carl R Slater & Son, Bloomsburg	24,192	858	761
Hiddenview Holsteins, Robesonia	23,330	855	743
William E Hunsberger, Davidsville	23,436	853	751
John S Zimmerman, East Earl	21,979	853	683
Londondale Farm, Punxsutawney	22,265	850	688
Harry Mosholder, Rockwood	23,819	846	772
North View Farm, Berlin	23,855	843	765
Junge Farms, New Tripoli	21,961	843	697
Daview Farm, Kutztown	22,091	842	693
Rollin+Dennis James, Sandy Lake	23,821	840	745

JERSEY

William R. Yoder, Meyersdale	**14802**	**728**	**528**
Vantage Jerseys, Fredona	16,555	715	574
Dean Moose, New Wilmington	15,370	701	561
Jersey Acres Fms Inc, Pine Grove	14,687	700	557
Mark McCorkel, Christiana	14,984	685	543
Gerald Moose, Mercer	14,050	685	547
Spruce Row Farms, Meadville	15,400	681	579
Jerry-N-Jane Schimpf, Somerset	14,098	680	541
Robert W Ulrich Jr, Quarryville	13,657	675	530
J Marvin Herr, Holtwood	13,490	671	530
Romar Jersey farm, New Wilmington	14,496	664	528
Robert C Dreisbach, Hamburg	13,550	663	516
Rankin Farm, Burgettstown	14,008	662	546
Deane Horne, Atlantic	12,954	659	489
Star Point Jerseys, Oxford	14,239	656	538
Stoney Hollow Jerseys, Martinsburg	12,538	647	488
JC & SE Wicker, Centre Hall	12,972	645	505
Van De Jersey, Transfer	13,725	644	500
Clark's Dairy Farm, Enon Valley	13,833	642	503
Frosty-Vale Farm, Knoxville	13,894	638	504
Crooked Creek Farms, Troy	12,388	635	477

Robert Ulrich's 7-year-old, Florence, is the top Jersey in the state in butterfat with 960 pounds.

MILKING SHORTHORN

J. Douglas Marsh, Nottingham	**13897**	**547**	**454**
Dave-Denise Whiting, Edinburg	8,700	295	282

MIXED

Lynn & Margaret Neer, Lewistown	**24158**	**874**	**748**
Kin Du Farm, Crystal Spring	21,964	815	691
Tom-Elaine Comstock, Ulster	22,302	760	708
Charles Irons, Smethport	19,569	748	629
Samuel K Stoltzfus, Honeybrook	19,806	745	622
Kevin Stahlnecker, Oxford	18,383	723	590
Wea-Leand Farm, Quarryville	20,379	720	670
Du Valley Farms, Crystal Spring	17,067	710	573
Brian Futhey, Coburn	18,486	682	592
Seldomrest "F" Farm, Guy Mills	18,040	679	590
Joe Arbuckle, Cochranton	18,617	678	566
Leon N Sensenig, Peach Bottom	19,364	677	601
Phil + Jerry Piroch, Butler	18,109	671	586
Samuel F Long, Peach Bottom	19,528	669	601
Gregory&Nancy Yocum, Blairs Mills	18,607	664	573
Fidler Farm, Pottsville	18,724	658	616
Joseph Egolf, Alum Bank	18,552	657	585
Isaac S Huyard, New Holland	17,196	654	545
Gehringer Bros, Bally	17,472	653	565
Elam K Stoltzfus, Morgantown	17,424	653	539
George W Patterson, Belle Vernon	16,049	650	517

RED & WHITE

Matt Will R&W, Troy	**21914**	**788**	**671**
Karl W Herr, Kirkwood	18,231	666	567
Purndale Farm, Wells Tannery	17,051	648	548
Eli H Weiler, Stevens	16,481	638	525
Anthony Carpenter, Crystal Springs	17,227	624	535
Latini Brothers, Wyalusing	15,455	572	503
Minor Sons, Jackson Center	16,355	533	530
C Wayne Lapp, Milton	13,908	516	442
Endless Mts Farm I, Laceyville	10,920	404	349

BEST IN THE INDUSTRY

The new White 160 and 185 tractors offer some of the best features in the industry today.

Best Lugging Ability: Model 160 - 30% torque rise
Model 185 - 31% torque rise

Best Warranty: 4 Yrs. or 4,000 hours

Best Power Front Assist Turning Radius: 13.75 Ft.

Treat yourself to the best The new White 160 and 185.

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COVER MORE ACRES ON LESS FUEL

New Cummins Engine is turbocharged and aftercooled and puts every ounce of its mass to work converting fuel to horsepower.

Fuel economy and high torque are combined in the White 140. So when the going gets tough and rpm drop, the White 140 lugs ahead with a productive 26% torque rise.

Combine the fuel economy with the other new features of the White 140 and you have a 137 PTO HP tractor that can do the job for you.

TOTAL PERFORMANCE

The new White 100 offers improved features and more strength

- New hard lugging Cummins engine is direct-injected for immediate fuel savings
- New Full Power Front Axle means tighter turning better crop clearance and up to 50% less wheel slip
- Inboard planetary drives and wet disc brakes are built strong to last long Differential lock is standard
- New FieldFacts computer reports on speed, RPM, acres covered and more

See us today for more information on the White 100 -- new from White Farm

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QUALITY ENGINEERING

The new White 120 Tractor was engineered for quality to give you a tractor with long life and top performance.

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- A newly designed, fuel efficient 118 PTO HP Cummins engine that produces a 27% torque rise under load
- Ability to select from 18 forward speeds, 9 in the working range of 2 to 7 mph with White's proven 3-speed powershift transmission
- Innovative, high clearance PosiTrac Full Power Front Axle that adapts to different row spacings and has a short, 13 1 ft turning radius
- Massive drive train that features planetary final drives, wet disc brakes and engage on-the-go differential lock

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MORRISON FARM-CITY EQUIP.
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Carlisle, PA
717-249-2239

Top Rolling Herd Averages By Protein Of 1988

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Lloyd Lohr, Stoystown	12,943	556	482
Ralph & Gary Oakes, Jackson Center	14,488	562	481
Jerry A Krone, Parkesburg	13,639	522	481
Byler Brothers Farm, Spartansburg	13,337	548	467
Donald E Cole, Columbia Cross Rd	13,861	538	465
Leonard C Queitzsch, Mifflintown	14,306	555	463
H&R Dairy Farm, Gillett	13,202	482	445
DML Brown Swiss Farms, Danville	12,349	491	435

GUERNSEY

Axel Linde & M. Widmann, Oxford	**15718**	**698**	**561**
Bruce+Brenda Hemsarth, Millville	15,095	743	551
Richard O Smith, New Hope	15,957	729	546
Mark D Garber, Waynesboro	14,323	669	534
Ray Roger Garber, Chambersburg	13,933	682	517
John & JE Marchezak, Bentleyville	14,508	671	517
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Lyle+Laureen Wright, Canton	13,643	621	476
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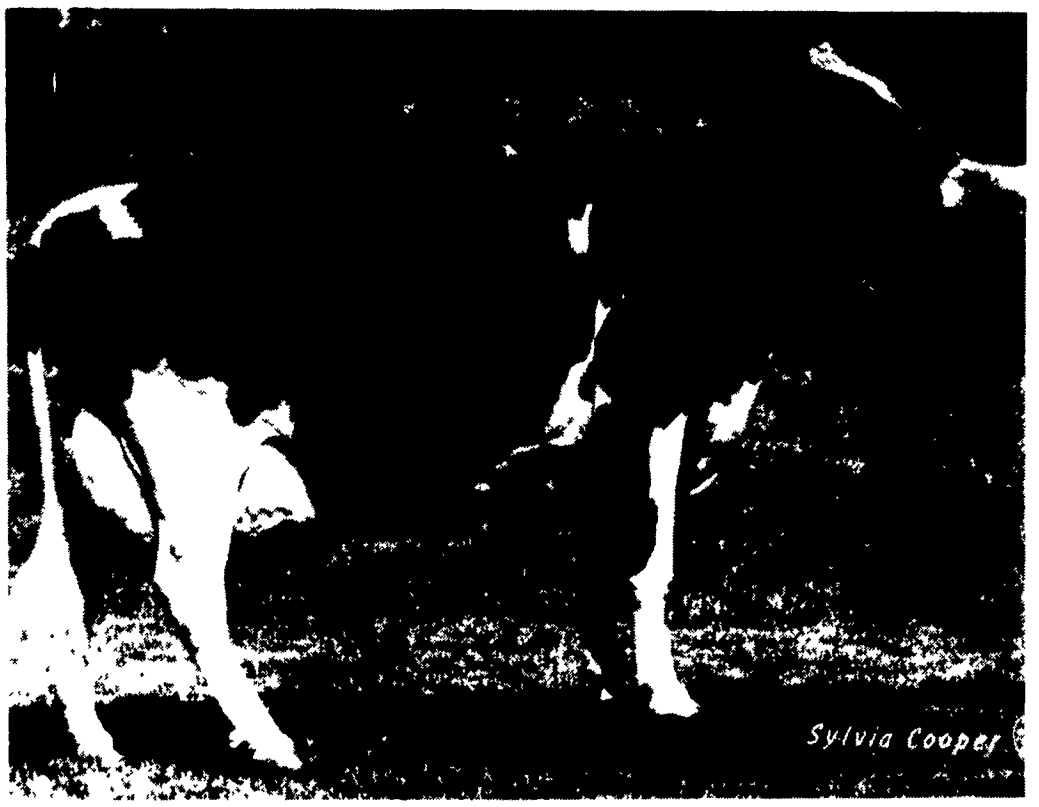

Trotacre Farms' Fultonway Glendell Abbekerk, a 7-year-old Holstein, is the number one milk and butterfat producing cow in Pennsylvania DHIA for 1988 with records of 39,067 M and 1,754 F.

HOLSTEIN

Eugene W. Hall, Muncy	**24104**	**911**	**810**
Harry Mosholder, Rockwood	23,819	846	772
Smysers Richlawn Fms, York	24,645	862	770
North View Farm, Berlin	23,855	843	765
John H Howard, Willow Street	24,071	878	764
Linz Farms, Springboro	24,527	832	762
Carl R Slater & Son, Bloomsburg	24,192	858	761
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Hiddenview Holsteins, Robesonia	23,330	855	743
Keystone Farm, Easton	23,080	874	742
William Brown, Rome	23,238	921	736
Dale & Steve Hershey, Manheim	23,523	823	735
TR Williams+Son, Uniondale	23,257	834	733
Bruce R Heilinger, Newmanstown	22,350	817	733
Jacob S Stoltzfus, Lewisburg	23,248	884	731
D&N Hornberger, Richfield	22,403	744	731
Latuch Bros, Rockwood	22,932	861	727
George C Stahl, Somerset	22,550	817	726
Rick+Jeanette Saner, Thompsontown	22,877	756	725

MILKING SHORTHORN

J. Douglas Marsh, Nottingham	**13897**	**547**	**454**
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JERSEY

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Star Point Jerseys, Oxford	14,239	656	538
Robert W Ulrich Jr, Quarryville	13,657	675	530
J Marvin Herr, Holtwood	13,490	671	530
William R Yoder, Meyersdale	14,802	728	528
Romar Jersey Farm, New Wilmington	14,496	664	528
Maran-Atha Farm, Friedens	13,605	632	519
Robert C Dreisbach, Hamburg	13,550	663	516
Hillcrest Jersey Fm, Volant	13,153	629	516
Dawn F Rhein, Pine Grove	13,454	617	508
Thomas Horst, Chambersburg	13,604	602	508
Clarence L Mowry, Smicksburg	14,016	595	507
JC & SE Wicker, Centre Hall	12,972	645	505
Frosty-Vale Farm, Knoxville	13,894	638	504

MIXED

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Samuel K Stoltzfus, Honeybrook	19,806	745	622
Leroy E Walker, New Freedom	18,431	638	621
Fidler Farm, Pottsville	18,724	658	616
Leon N Sensenig, Peach Bottom	19,364	677	601
Samuel F Long, Peach Bottom	19,528	669	601
Ronald Erma Herr, Ulster	17,931	616	595
Brian Futhey, Coburn	18,486	682	592
Kevin Stahlnecker, Oxford	18,383	723	590
Seldomrest "F" Farm, Guys Mills	18,040	679	590
Phil + Jerry Piroch, Butler	18,109	671	586
Joseph Egolf, Alum Bank	18,552	657	585
Agravation Acres, Russell	18,286	602	579
Randy Hess, Forksville	17,603	567	577
Rick + Linda Stuchal, Slippery Rock	18,682	640	575
Du Valley Farms, Crystal Spring	17,067	710	573
Gregory&Nancy Yocum, Blairs Mills	18,607	664	573

RED & WHITE

Matt Will R&W, Troy	**21914**	**788**	**671**
Karl W Herr, Kirkwood	18,231	666	567
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Latini Brothers, Wyalusing	15,455	572	503
C Wayne Lapp, Milton	13,908	516	442
Endless Mts Farm I, Laceyville	10,920	404	349

FREE BUCKET

bobcat

STOP BY THE BOBCAT EXHIBIT AT THE PENNA. FARM SHOW JAN. 8-13 SEE THE NEW BOBCAT 542B PLUS OTHERS ON DISPLAY, SPACE #'S 129A, 129 & 130

542B

$9,995*

Water Cooled
Ford Engine

25 H.P.

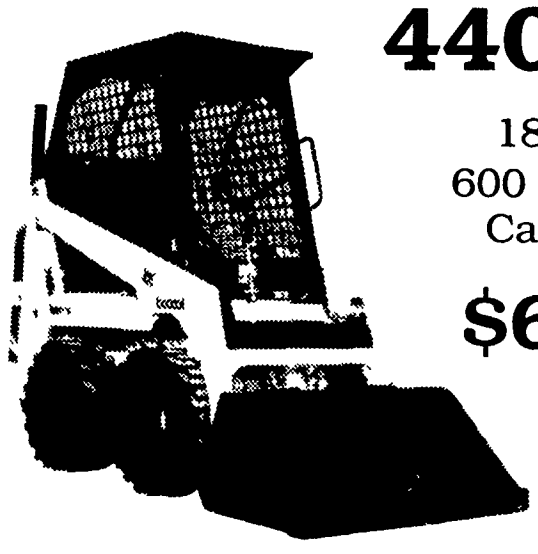
800 Lb.
Lift Capacity

642B

32 H.P.
1000 Lb.
Lift Capacity

$11,500*

440B



18 H.P.
600 Lb. Lift
Capacity

$6,250*

* **Manufacturer's Suggested List Price Excluding Freight And Attachments**

SEE YOUR LOCAL BOBCAT DEALER

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Wilmington, DE
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S.P.E. INC.
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BURCHFIELD'S INC.
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Mill Hall, PA
DUNKLE & GRIEB
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CLUGSTON FARM EQUIPMENT
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Chambersburg, PA
CLUGSTON IMPLEMENT INC.
717-263-4103

Quarryville, PA
GRUMELLI'S FARM SERV.
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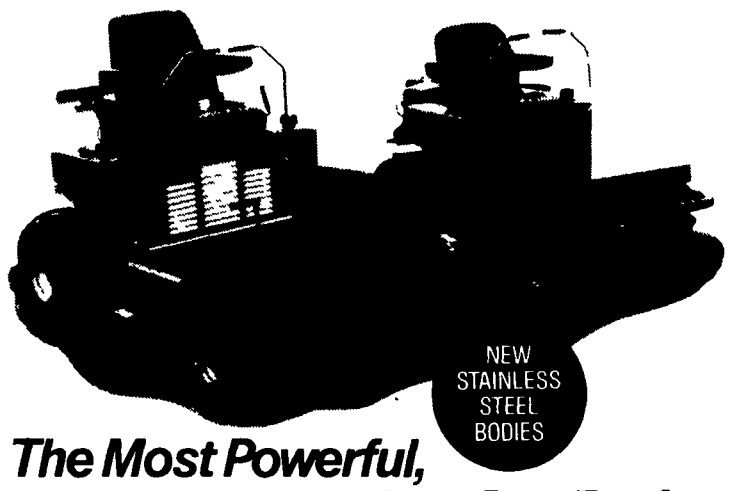

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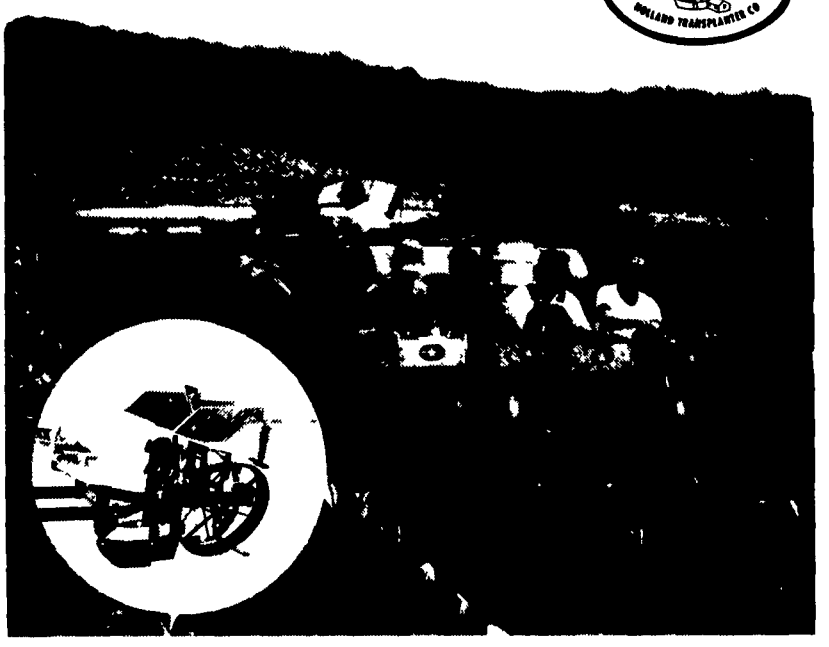

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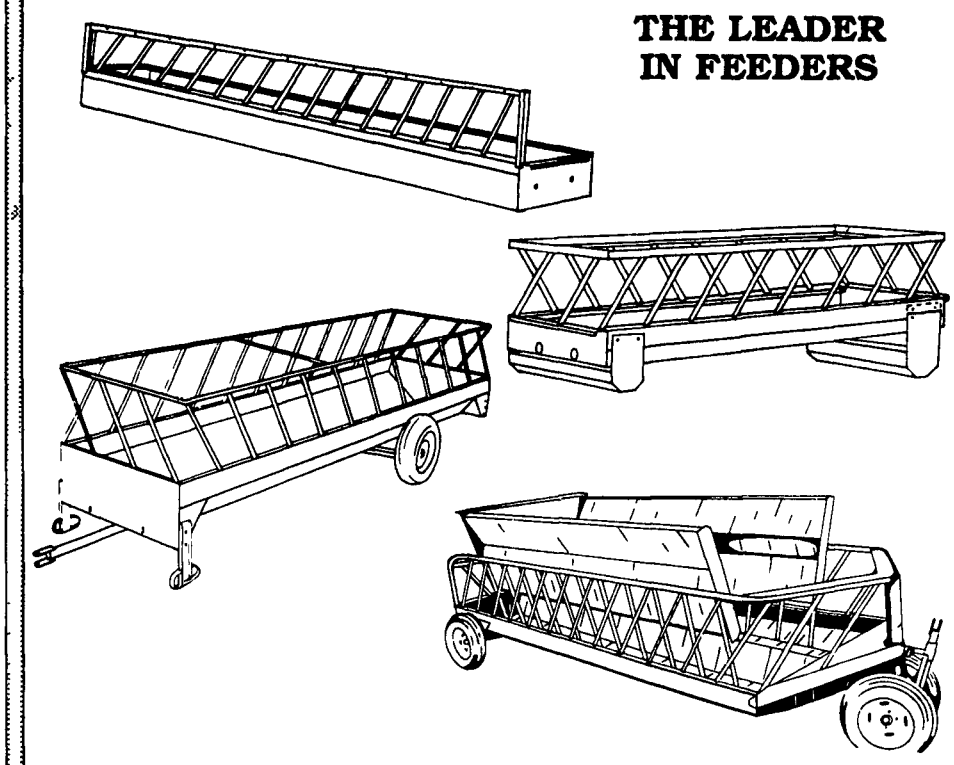

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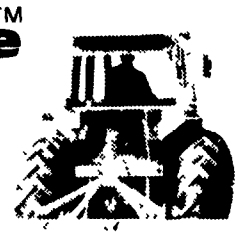

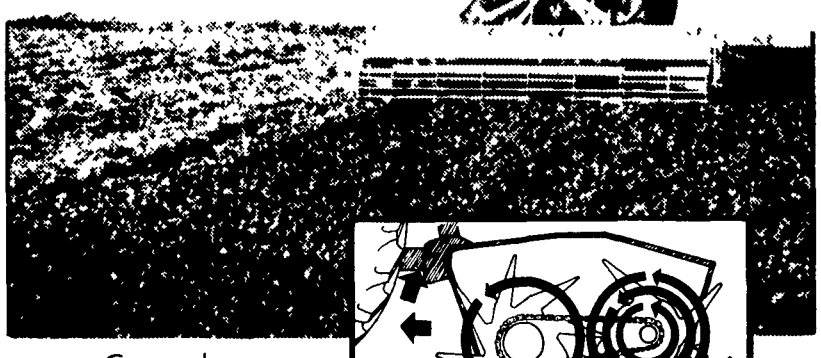

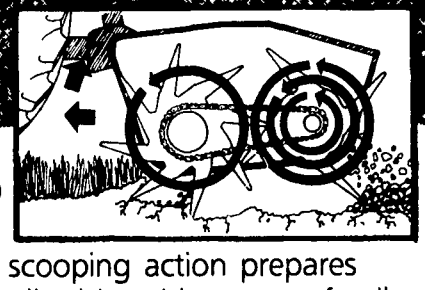

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Testing Lab, Professors Find Nationwide Sulfur Deficiencies

WHITE PLAINS, NY — Sulfur deficiencies are showing up in nearly every state in America. During the past several years, the number of states identified as sulfur deficient has more than tripled, from 13 to 43 states.

A critical component in protein and chlorophyll formation, sulfur is ranked as the fourth most important nutrient in plant growth, right behind nitrogen, phosphorous, and potassium.

To answer the call for more sulfur, approximately one in every three state colleges now includes sulfur in its fertilizer recommendations for a variety of field crops -- especially corn, small grains, and forages.

Extensive surveys conducted within the industry reveal that sulfur deficiencies are not linked to one specific area or soil type.

Bob Perry, general manager of Perry Agricultural Laboratory in Bowling Green, Mo., said sulfur deficiencies are cropping up in states across the country, and in a variety of soil types. Last year, the lab collected and tested about 52,000 soil samples from 38 states. Perry's results show that 66 percent of the samples analyzed for sulfur last spring were low.

Sulfur, like nitrogen, is essential for the formation of protein, vitamins, fats, oils, and chlorophyll within the plant, he explains. It also aids in the microbial digestion of crop residues, freeing up nitrogen and additional sulfur for use by emerging plants. "So crops treated with adequate amounts of sulfur will produce better yields," Perry stated.

Perry's findings are echoed by a nationwide survey conducted by Allied-Signal Inc., a fertilizer company based in Hopewell, Va. In the last five years, Allied has collected nearly 250,000 soil samples as part of its "Test for S" campaign. Results of the campaign show that 38 percent of the samples Allied analyzed ranked low in sulfur, and 43 percent ranked medium.

In the Corn Belt, 37 percent of the samples tested low for sulfur. In the Mid-South, 59 percent of the samples scored in the low category, and on the East Coast, 31 percent of the results analyzed turned up potential sulfur deficiencies.

Increasing concern about sulfur needs have led some scientists to raise their recommendations for sulfur application, especially on sandy soils.

University sulfur recommendations rise

Dr. Charles Mitchell, extension agronomist at Auburn University in Alabama, used to recommend that growers farming sandy soils apply 10 pounds of sulfur per acre for row crops. Now he recommends that they apply 20 pounds per acre.

"The sandy soils on our Coastal Plain, from Virginia to Louisiana and into parts of Texas, leach sulfur beyond the reach of shallow-rooted crops," Mitchell explained. "A wet winter will leach out sulfur that is either provided by organic decomposition or applied in the fall.

Heavier soils are not immune from sulfur deficiencies, either. At the University of Minnesota, extension specialist Dr. George Rehm has found that some heavier soils with less than two percent organic matter also produce higher yields when treated with sulfur.

"We are increasing corn yields by 20 or 30 bushels per acre by applying sulfur to sandy soils," Rehm notes. "And results with alfalfa on these same sandy soils are even more dramatic -- we've doubled our yields."

S no longer incidential

The mounting interest in sulfur fertilizer comes as no surprise. Don Messick, agronomist for Allied-Signal, explains that there are three major reasons for the recent trend of falling sulfur levels in the soil. First, modern, high-analysis N-P—K fertilizers contain little or no sulfur. Years ago, many dealers used materials that already contained sulfur, like ordinary superphosphate (0-20-0-12S). Also, more intensive land use has strained the soil's sulfur reserves as double-cropping and high-yield production become more common. Last, the push for maximum economic yield has led many growers to rely on the soil's shrinking sulfur reserve without supplementing it.

Environmental sulfur, a product of industrial waste and once an important source of sulfur in the soil, is also on the decline. At the University of Illinois, Dr. Robert Hoeft predicts that pollution control measures will continue to decrease the amount of sulfur carried to crops through the air.

"With the stricter air quality standards and more scrubbers in the smokestacks, we're going to see a lot less sulfur replenished from environmental sources," he said.

Power plants and industrial centers west of the Missouri River give off relatively little sulfur because of their use of clean-burning coal, according to Hoeft. Farms in these areas show a far higher incidence of sulfur deficiency than those in areas with more pollution.

"Without atmospheric sulfur to help replenish the supply that we use in high-yield production, it's getting more important to apply a sulfur fertilizer," he noted.

Ammonium sulfate is readily available

There are many forms of sulfur on the marketplace, but only sulfur in the sulfate form is immediately available to the plant. Dr. Mitchell explains that this is crucial for plant uptake and yield determination.

"In the early life of the plant, there is a period after dormancy when yield is determined and sulfur is taken up," he says. "The soil conditions during that period are often too cold -- and too short on microbial activity -- to convert other sources of sulfur to the sulfate form fast enough for the plants to use it.

"That's why sulfate is the best source of sulfur to apply. Ammonium sulfate (21-0-0-24S), which supplies nitrogen as well as sulfur, is an excellent choice," Mitchell recommends.

Perry expects to see fairly high sulfur levels in next spring's soil samples because the weak '88 crops didn't take up much of the nutrient. He warned farmers not to be misled by these healthy readings into assuming that their fields are necessarily well-stocked with sulfur.

"The '89 tests should prove and explain the old rule of thumb about getting a good crop after a drought-stricken one," he explained. "All of the nutrients that weren't taken up last year will help next year's crop to some degree. But if a farmer achieves his yield goals in 1989, he'll probably end up right back at the deficient level. So he's got to be ready to apply sulfur regularly if he wants his productivity to be consistent.

"Everybody is cost-conscious in today's market," Perry said, "and some people believe that cutting back on inputs will save them money. But -- now, more than ever -- ignoring sulfur deficiency can cost you money by dragging down your yields. It's very important to keep an eye on the sulfur content of your crops and soils, no matter what part of the country or what kind of soils you farm.

"We have the ability to monitor the soil and its nutrients," he added. "We don't have to wait for Mother Nature to send us a drought to rebuild our fertility. Instead, we've got to continue watching what's going on in our soil, and we've got to do something about it by replenishing the nutrient reserves in our soil. Then we're on the road to profitable farming."

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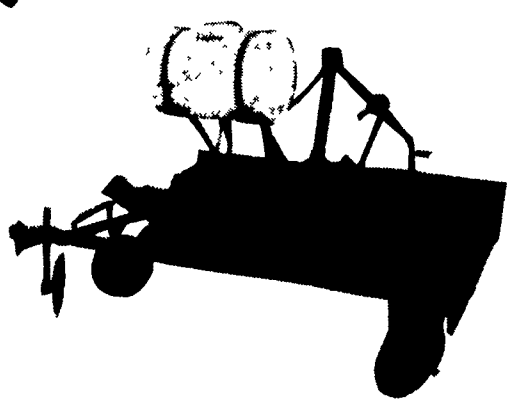

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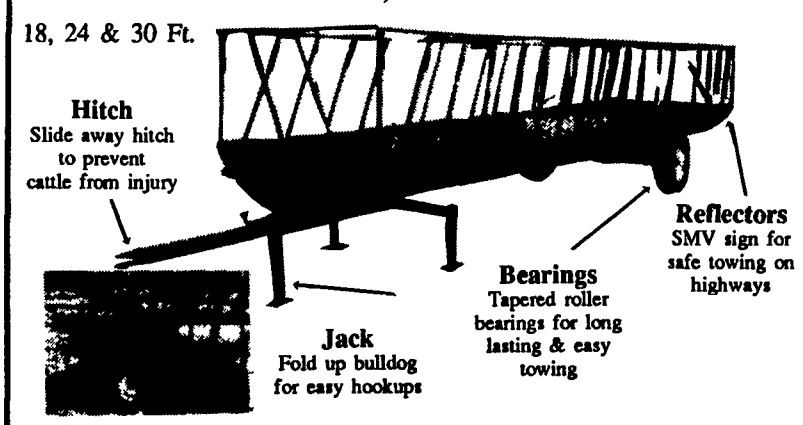
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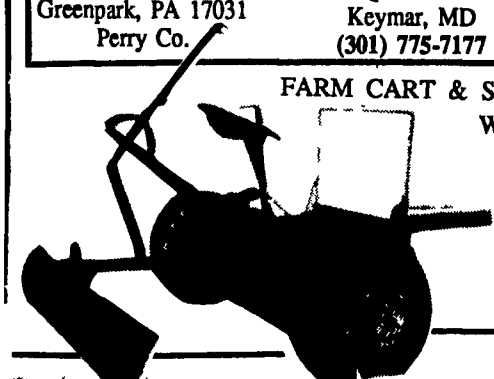

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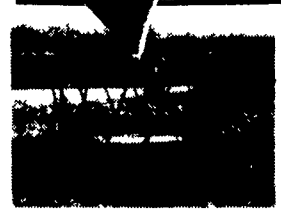

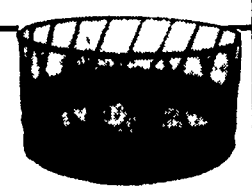

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Sheep Industry Convention To Address Marketing Issues

DENVER, CO — "Meeting the Marketing Challenge" for lamb and wool will be the subject of information sessions at the American Sheep Industry Convention, January 18-21, at Bally's in Las Vegas. The convention is cosponsored by the National Wool Growers Association, National Lamb Feeders Association and American Sheep Producers Council.

Dr. John Allen and Dr. Tom Pierson will be featured at the lamb marketing session Thursday, January 19. Allen and Pierson are two of the nation's foremost authorities in retail meat marketing. Their presentation will be the result of personal visits to U.S. retail food stores with innovative lamb marketing programs. Allen and Pierson will make a similar presentation to leading U.S. retailers at AMI/FMI conference in March.

Such colorful groups of consumers as the "Chase and Grabbits", "Functional Feeders" and "Happy Cookers" will be described in a presentation by a representative of the Pillsbury Company during the lamb marketing program. Pillsbury recently completed a 15-year study of U.S. eating habits. One of the trends which may impact the lamb industry is that many families are dining "restaurant-style," with everyone eating different meals at different times. The study also shows that by the year 2000, cooking may be a hobby, just like sewing is today.

The wool marketing session on Saturday, January 21 will feature a panel of wool marketers. Fred White, Mid-State Wool Growers Cooperative; Jim Sheeder, Pennsylvania Wool Pools; and Rick Honaker, Sanderson (Texas) Wool Commission Co., have accepted invitations to serve on the panel. This experienced group will explain their operations and share their thoughts on improving U.S. wool marketing.

Thomas Drummond from the Australian Wool Corporation will also speak at the January 21 session. Drummond, currently in AWC's London office, will describe marketing of wool in Australia. Australian producers use objective measurement or instrument grading of wool to determine fiber diameter, clean yield and fiber strength. This technology was developed in the U.S. but only a small percentage of American wool is graded in this fashion.

The convention will include the annual meetings of the sponsoring organizations and the "Make it Yourself With Wool" competition sponsored by the National Wool Growers Auxiliary. Other major information sessions will include the latest management, feeding and marketing information. The industry's largest trade show is also an important part of the convention.

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Monthly Report

November, 1988

1026 lbs. BF and 26,689 lbs. milk was produced in 305 days by 416 a 6 year old Holstein owned by McRal Dairy Farm RD#1, Box 169, East Berlin, Pa. 17316. Second high was Fawn a 6 year old Holstein who produced 1017 lbs. BF and 23,496 lbs. milk in 305 days, owned by Wayne E. Myers, 3850 S. Salem Church Rd., Dover, Pa. 17315. High herd was Smysers Richlawn Farm, 2691 East Berlin Rd., York, Pa., with 75 cows producing 24,624 lbs. milk and 852 lbs. BF. Second high was Lynn Wolf, RD#1, Abbottstown, Pa. 17301, with 74 cows producing 21,891 lbs. milk and 788 lbs. BF.

Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Smysers Richlawn Fms	3	75.4	87.4	24,624	852
Rutters	3	10.9	88.0	19,539	803
Lynn Wolf	3	73.8	89.3	21,891	788
Jim&Holly McCaffree	8	53.2	87.4	21,732	786
HS & RE Fetrow	3	84.3	87.3	21,901	781
Beshore Farms	3	49.0	86.9	20,982	765
McRal Dairy Farm	B3	245.4	88.5	20,138	750
Sinking Spring Fminc	3	63.3	88.0	19,793	728
Shelbud Holsteins	3	88.0	89.9	19,878	723
William Ruppert	B3	56.6	86.1	19,793	721
Thomas A Boyer	3	48.5	83.4	19,231	717
Dan & Patti Hushon	B3	45.7	88.9	20,540	716
Melvin + Barb Marks	3	47.4	88.2	19,803	702
Rick L Cook	B3	77.2	86.3	18,603	700
Melvin R Lehr	B3	47.4	84.8	18,506	693
Wayne E Myers	3	52.6	83.1	18,807	692
Four-Co Farm	3	52.0	86.2	20,265	688
RR & MR Stewart	3	59.5	86.8	18,233	677
William Myers	B3	51.5	90.1	18,521	672
Earl Fuhrman	3	94.0	89.1	18,746	668
Leonard Greek	3	48.8	89.1	17,279	665
B Robert Charles	3	49.7	84.3	18,180	663
Ramsey S Cooper Jr	3	64.7	86.0	17,582	662
David Gemmill	B3	98.4	90.2	17,743	661
T Edwin Johnson	3	80.8	88.2	16,609	657
Big T Holsteins	B3	100.1	87.7	18,183	655
Rutter Bros	2	68.5	88.6	13,811	648
Hopewell Center Farm	B3	29.8	85.9	18,301	646
Elvin G Molison	B3	146.2	85.5	17,289	644
Leroy E Walker	B8	20.8	86.8	18,464	641
Spring Meadow Farm	4	6.5	91.7	13,660	636
Mervin W Hertzler	2	62.2	88.4	13,980	634
Gary W Thoman	3	50.6	85.6	17,463	631
Albert Dehoff	B3	150.2	88.9	17,555	630
VH+MB Hushon	G3	73.7	91.4	17,549	628
Elvin R Deiter	G3	59.0	84.6	17,611	628
Woodbine Farms	3	144.8	84.8	17,368	626
David Stewart	3	112.6	92.8	16,141	619
Eisenhart Bros	B8	98.3	90.5	16,584	618
Smokey Hollow Farm	G3	50.4	79.4	18,322	615
Harold Brown	3	66.4	88.2	17,502	615
J Donnell Taylor	B3	140.3	85.5	17,167	613
Rodman C Thompson	3	69.0	84.7	17,575	612
Perrydell Farms	B3	164.2	84.3	16,684	610
Robt Baumgardner Jr	B3	60.9	86.2	18,346	604
Gum Tree Farm	3	46.9	88.3	16,613	604
Ann + Kurt Pealer	B3	29.9	89.1	17,150	604
Edwin L Calhoun	B3	53.1	85.0	17,027	601
George Innerst & Sons	B3	112.3	86.1	16,567	601
Walnut Hill Farm	B3	54.3	83.5	16,647	598
Bupplynn Farms Farm 2	B3	65.3	85.5	17,623	594
Double D Farm	G3	109.5	82.9	15,526	593
Kenneth L Rexroth	B3	142.5	85.2	15,717	592
Furnace Creek Farm	3	113.5	83.8	16,127	591
Deal Holsteins Farm	B3	127.8	87.4	15,901	591
Kevin S Holtzinger	B3	203.4	86.0	16,065	590
Keith A Shaffer	3	43.1	86.3	15,805	584
Doug & Gene Kilgore	B3	70.4	85.0	15,988	579
Leaspring Farm	3	53.3	84.6	16,630	578
Wayshar Farm	B3	91.0	85.5	15,220	578
T+K Jerseys	B4	10.8	86.1	12,189	576
Robert W Mays	B3	66.2	85.8	15,800	575
Dale & Darla Doll	3	78.0	87.6	16,373	573
Leroy Bupp	3	116.1	83.9	16,411	573
John C Krone	B8	44.0	87.6	15,321	572
Dennis J Myers	3	50.5	88.1	18,419	571
Ellis Crowl	B3	79.2	86.2	14,702	570
Galen Hess	G3	67.5	86.8	15,315	562
Nelson R Brenneman	B3	58.9	82.6	15,850	560
Hidden Springs Farm	B3	82.4	85.0	15,846	558
Howard G Taylor	B3	71.4	85.1	14,621	556
William-Robert Fantom	B3	68.9	87.2	15,372	550

Woodbine Farms						
ET-123	3	7-4	305	19,889	4.2	844
242	3	5-0	304	23,696	3.9	940
ET-258	3	4-6	305	18,468	3.6	681
347	3	3-3	305	22,058	3.7	819
438	3	2-1	305	17,904	3.8	680
450	3	2-0	305	15,558	4.2	658
William-Robert Fantom						
Cora	3	5-4	305	16,707	4.1	689
Donald Lanius						
Joan	3	3-7	305	14,160	4.9	698
Sinking Spring Fminc						
Jester	3	4-2	305	22,670	3.5	802
Mirage	3	4-0	305	23,829	3.2	776
Marsha	3	3-0	305	23,752	3.5	831
Midge	3	2-10	305	21,157	3.8	816
Rutter Bros						
Sexy	3	4-2	297	17,827	4.3	781
Beshore Farms						
Omen	3	5-1	305	24,500	3.7	927
Harold Brown						
Edolie	3	5-2	305	21,064	3.2	686
Martha	3	4-5	305	22,984	3.1	731
Gum Tree Farm						
Debbie	3	9-1	305	16,352	4.1	671
Hannah	3	5-8	305	20,152	3.5	723
Elwood T Krick						
57	3	4-1	305	18,878	4.4	836
Thomas A Boyer						
Fritzie	3	7-1	305	26,067	3.3	871
Holly	3	4-11	305	22,102	3.7	822
Izzy	3	4-5	305	22,136	3.8	856
Indigo	3	4-0	305	24,308	3.5	866
Jazzy	3	3-1	305	24,381	3.7	905
Furnace Creek Farm						
Harriet	3	8-6	305	24,175	3.4	840
123	3	6-9	305	18,187	3.7	683
3	3	6-2	305	23,620	3.5	841
124	3	5-3	305	16,459	4.3	712
134	3	3-1	287	17,394	3.8	664
HS & RE Fetrow						
Becky	3	8-11	305	23,338	3.7	864
Tidy	3	4-3	305	30,566	3.0	920
Reenee	3	6-3	305	24,898	3.3	830
Rodman C Thompson						
Bryce	3	5-8	305	21,021	3.9	823
Twkglow	3	5-2	305	21,578	3.9	852
Sandy	3	4-3	305	19,578	3.6	710
Flite83	3	4-5	305	19,578	3.6	710
Lolypop	3	4-2	305	22,680	3.8	876
Suzan	3	3-10	305	24,112	3.2	784
RR & MR Stewart						
Pabst	3	10-4	296	21,993	3.7	823
*Paula	3	6-11	305	22,699	3.6	833
Smysers Richlawn Fms						
Fran	3	8-2	305	26,128	3.6	940
Bernie	3	3-0	267	25,066	3.1	797
T Edwin Johnson						
Bess P	3	3-11	305	14,681	4.7	693
Leroy Bupp						
Maudie	3	6-3	305	21,859	3.0	655
Brenda	3	6-0	305	21,499	3.2	691
Hidden Springs Farm						
Lass	3	7-4	305	24,731	3.5	867
Noodles	3	6-5	305	17,966	4.0	733
Nena	3	5-6	305	19,626	3.7	735
Ringer	3	3-2	305	19,895	3.6	722
Dennis J Myers						
155	3	4-7	305	22,743	3.1	718
Lynn Wolf						
Karat	3	7-2	305	28,293	3.4	974
Nifty	3	4-6	305	21,009	3.7	781
Novena	3	4-1	305	28,309	3.4	967
Katydid	3	3-1	305	31,858	2.4	779
Oatmeal	3	3-1	305	24,518	3.3	810
Pumpkin	3	2-0	305	21,338	3.0	653
Ramsey S Cooper Jr						
Alnat	3	6-5	305	22,241	4.0	891
Connie	3	6-9	305	20,138	3.9	794
Eldo	3	3-5	305	20,910	3.3	693
Dash	3	4-7	305	21,859	3.4	763
Marsha	3	3-3	305	18,390	3.6	674
Shasta	3	2-1	305	18,087	3.6	656
Melvin R Lehr						
52	3	9-2	289	17,897	4.3	786
103	3	6-5	305	21,595	3.2	705

(Turn to Page D19)

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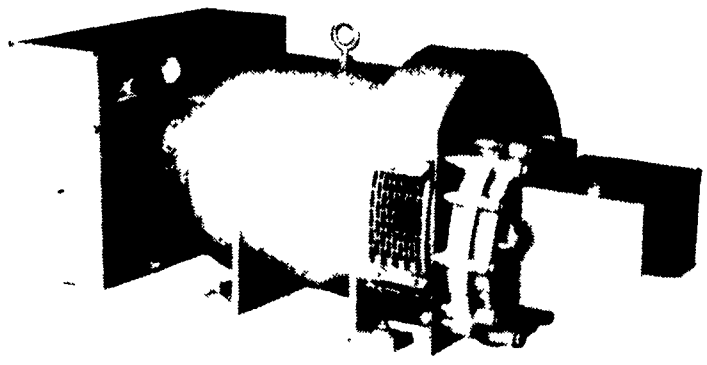

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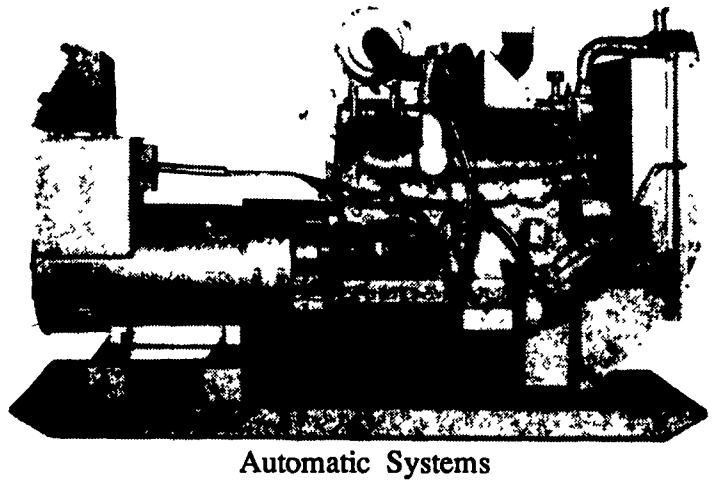

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(Continued from Page D18)

Horace E Heindel						
135 B	3	3-6	286	16,614	4.2	704
Elvin R Deiter						
Ursula	3	5-8	305	22,818	3.4	792
Twila	3	6-1	295	20,426	4.0	822
Wayshar Farm						
Lee	3	4-0	305	18,234	4.0	729
Kenneth L Rexroth						
34	3	4-3	305	23,847	3.6	865
Rick L Cook						
65	3	6-8	270	20,964	3.6	757
70	3	6-3	262	21,020	3.6	774
24	3	5-4	239	22,367	3.4	760
37	3	5-5	305	22,275	3.3	754
61	3	5-4	297	21,308	3.8	810
5	3	4-7	305	21,014	3.4	733
38	3	4-10	232	20,590	3.5	721
11	3	4-1	285	21,385	3.5	754
72	3	3-2	248	18,800	3.7	703
82	3	3-6	305	18,662	4.0	757
J Donnell Taylor						
Jix	3	10-3	305	20,834	3.5	733
Babe	3	6-5	305	19,614	3.6	710
Milly	3	5-4	305	22,672	3.9	897
Bupplynn Farms Farm 2						
Lottie	3	7-1	305	22,204	3.7	839
Elvin G Molison						
192	3	4-10	305	20,207	3.7	751
177	3	4-2	305	17,814	3.6	652
116	3	4-5	305	20,620	3.4	701
295	3	4-1	305	24,235	3.2	794
13A	3	3-2	305	20,142	3.8	776
307	3	3-1	305	16,498	4.2	700
Mervin W Hertzler						
Renita	2	10-2	305	17,756	4.7	838
Karah	2	4-1	305	15,679	4.1	651
Ginger	2	3-2	305	15,422	4.6	724
Gary W Thoman						
Bess	3	8-11	303	22,115	3.4	765
Judith	3	3-7	305	24,157	3.7	906
B Robert Charles						
Hattie	3	6-2	305	19,865	3.3	660
June	3	4-0	305	21,513	4.2	921
Kipper	3	3-1	296	20,686	3.6	748
Circle Creek Hol						
Tela	3	6-4	305	17,886	4.3	771
Robt Baumgardner Jr						
96	3	6-7	305	22,005	3.5	771
21	3	5-4	305	19,192	3.5	675
10	3	5-1	305	20,928	3.4	719
59	3	5-0	305	24,344	3.3	807
7	3	4-1	305	18,418	3.5	653
Perrydell Farms						
83	3	6-1	305	22,062	3.5	787
115	3	10-2	286	18,080	4.0	728
116	3	10-1	305	16,297	4.4	719
165	3	6-2	305	19,273	3.9	756
171	3	4-9	305	23,382	3.3	790
220	3	3-11	305	17,957	3.6	650
52	3	3-1	305	20,104	3.6	723
104	3	2-1	305	17,630	3.7	661
David Stewart						
Dart132	3	5-0	305	18,999	4.1	785
Daisy	3	3-3	305	15,592	4.3	671
#Quen16	3	4-3	305	16,703	3.9	663
Double D Farm						
218	3	6-1	305	21,817	3.6	802
Deal Holsteins Farm						
15	3	6-2	305	21,815	3.3	727
199	3	5-0	305	18,524	3.8	716
224	3	4-6	305	16,687	4.0	667
John P Bortner						
123	3	6-8	305	20,160	3.7	760
George Innerst & Sons						
31	3	3-3	305	18,160	4.0	734
133	3	3-0	305	21,099	3.7	794
Jim&Holly McCaffree						
Brilian	3	6-3	194	19,063	3.5	679
Fancy	3	5-1	305	24,419	2.8	691
Marge	3	4-2	305	26,288	3.4	916
Hilda	3	3-9	305	22,241	3.6	802
Dan & Patti Hushon						
Joan	3	8-7	300	20,238	3.4	692
Suzie	3	6-8	305	19,606	3.7	727
Beth	3	4-10	305	23,422	3.9	935
Leonard Greek						
Iris	3	6-7	305	17,417	3.7	658
Hopewell Center Farm						
32	3	4-2	305	23,596	2.9	694
1	3	2-3	305	19,627	3.8	757
Shelbud Holsteins						
Francy	3	6-0	305	25,436	3.6	934
Nonni	3	4-9	305	21,534	3.5	765
Denny	3	4-2	305	21,627	3.4	755
Bonnie	3	4-1	305	21,204	4.5	957
Genny	3	3-2	305	21,086	3.6	763
Mistres	3	3-4	305	21,108	3.8	818
Galen Hess						
50	3	7-1	305	17,180	3.7	650
Four-Co Farm						
Hazel89	3	5-2	292	22,770	3.3	767
Andarea	3	6-9	268	20,906	3.2	683
John Dietz						
Echo	4	4-2	305	15,379	5.0	780
Kevin S Holtzinger						
25	3	10-5	305	17,812	3.8	682
254	3	7-6	305	21,877	3.1	683
289	3	5-1	294	17,288	3.8	663
327	3	4-3	305	22,146	4.0	885
4	3	4-2	270	20,742	3.4	710
411	3	5-9	305	20,793	3.9	824
522	3	3-5	297	18,445	3.6	668
573	3	2-11	305	19,270	3.7	722
Kevin S Holtzinger						
805	3	4-7	305	21,002	3.4	733
861	3	5-4	305	21,637	3.8	824
Earl Fuhrman Farm 2						
Muffin	3	6-9	305	18,606	3.5	666
Alta Vista Farm West						
189	3	7-2	305	17,537	4.2	736
221	3	5-6	305	15,052	4.5	680
218	3	5-1	305	16,724	4.1	686
David M Emig						
67	3	8-10	217	9,999	3.5	356
McRal Dairy Farm						
416	3	6-2	305	26,689	3.8	1026
424	3	6-4	305	22,427	3.7	838
479	3	4-11	305	23,118	3.3	781
8299	3	4-9	305	18,537	3.9	729
538	3	4-1	305	26,576	3.4	907
539	3	4-1	300	19,474	3.7	734
549	3	3-11	305	21,066	3.1	669
548	3	4-0	305	22,446	3.6	813
596	3	3-1	305	19,212	4.1	804
608	3	3-0	305	22,196	3.9	881
614	3	2-11	305	21,579	3.8	826
MD11	3	2-1	305	18,710	3.8	714
William Ruppert						
Jobe	3	0-0	305	21,299	3.5	760
Eliose	3	4-10	305	18,684	3.6	686
Mace	3	6-1	305	23,450	3.7	888
Eisenhart Bros						
454	3	4-5	305	19,491	4.3	853
Wayne E Myers						
Hilda	3	9-2	305	21,879	3.3	733
Stella	3	9-1	283	16,942	4.0	679
Candy	3	8-7	305	22,330	3.6	820
Fawn	3	6-11	305	23,496	4.3	1017
Felicia	3	2-11	305	21,180	3.8	813
Sabrina	3	3-5	301	21,503	4.0	868

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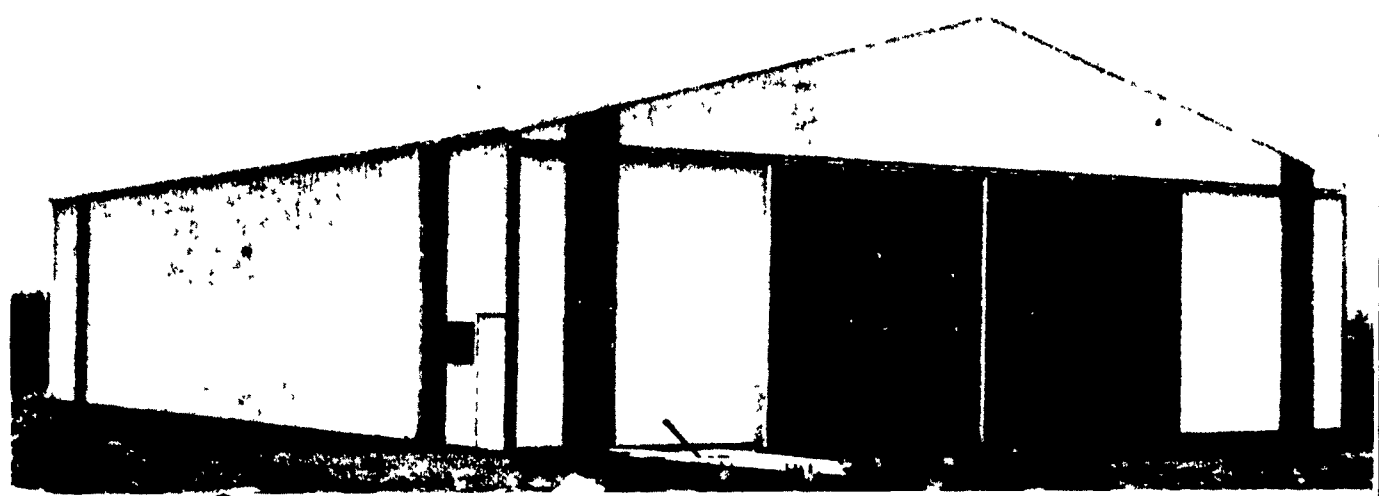

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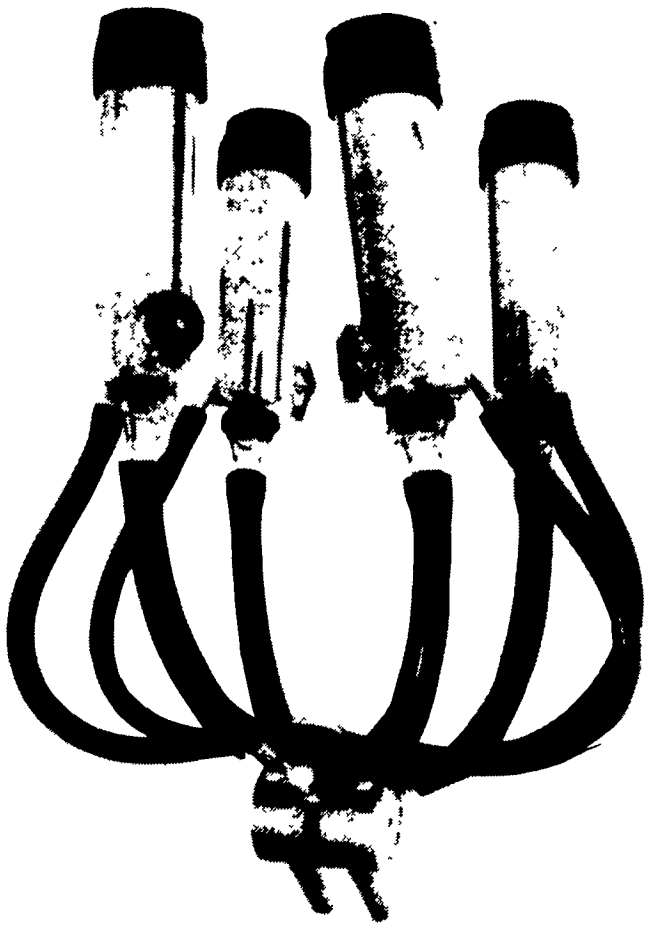

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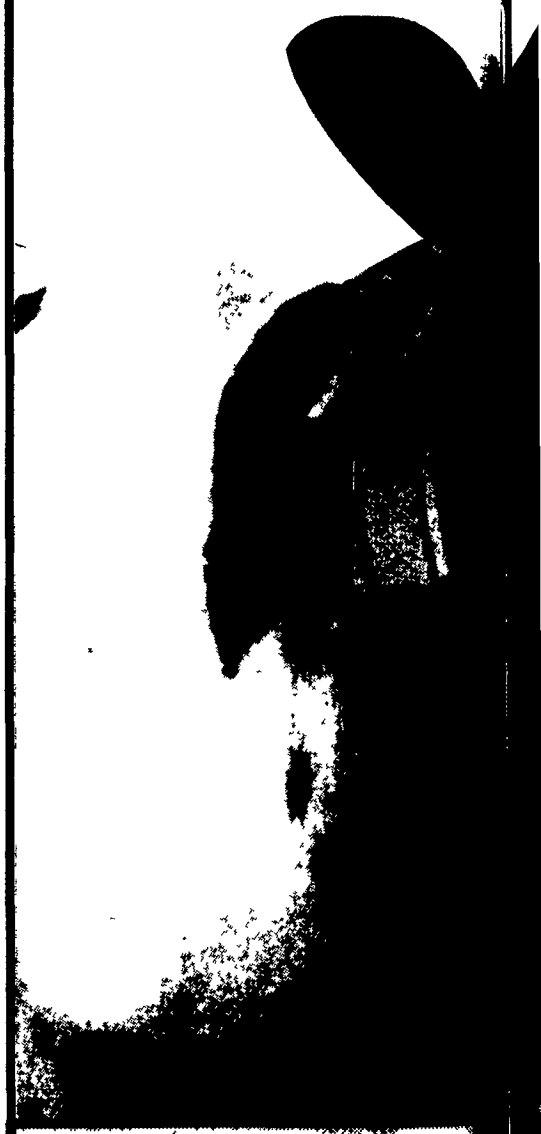

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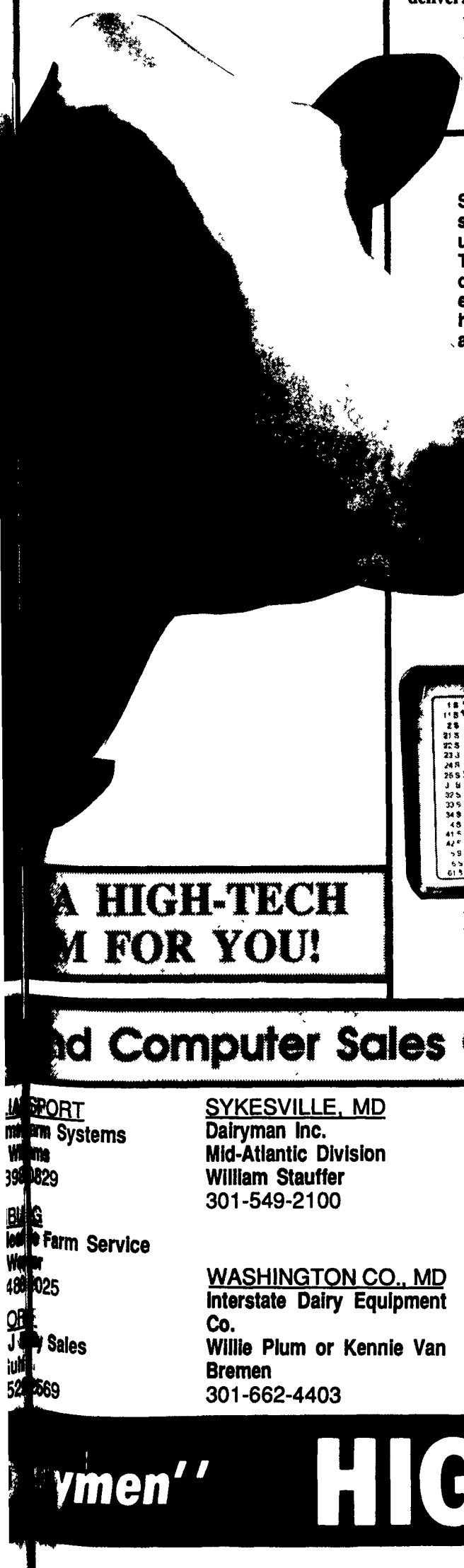

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Stanchion barn feeding has never been easier or more profitable than with Westfalia's MOBITRON! Completely automated and computerized, this high-tech, high-performance feeding system offers features conventional and competitive methods just can't deliver.

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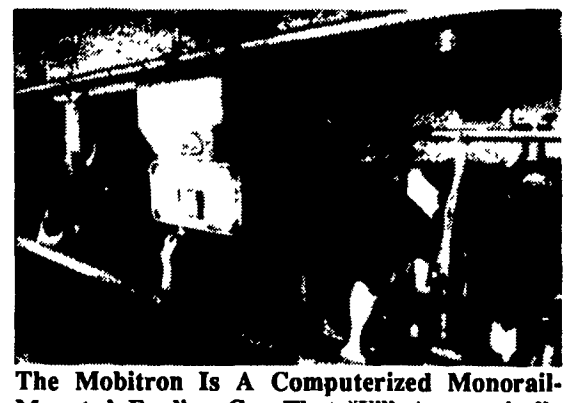
* Optimal Feed Use -- saves money
* 24VDC Power -- accommodates virtually all layouts
* Printout (Optional) -- simplifies herd maintenance

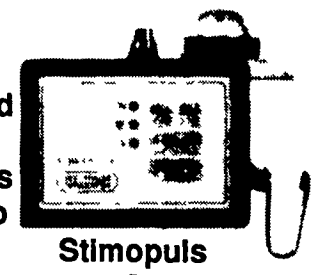


The Mobitron Is A Computerized Monorail-Mounted Feeding Car That Will Automatically Deliver Feed To Your Cows. It Is Designed For Maxiumum Results And Offers Features And Benefits Conventional Feeding Methods Can't Deliver.

STIMOPULS "M" And STIMOPULS "C"

Stimopuls M, the pre-milking stimulator/pulsator, can be used with the ACR 3 Control. This modern, electronic milking device performs stimulation every milking better than by hand and with uniform reliability. The milking preparation routine can now be a timed event. Thus, combining the ACR with stimulation/pulsation assures efficient let down, milking and take-off for each individual cow.

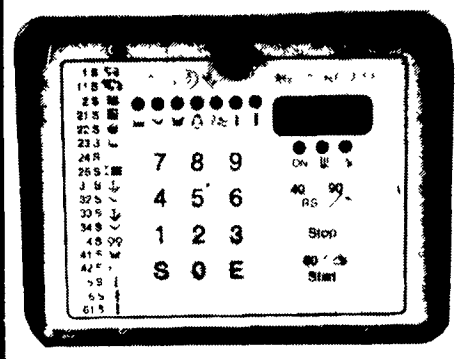
For a more complete milk-out and increased milk yields, Westfalia's Stimopuls can do the job for you.



Stimopuls C

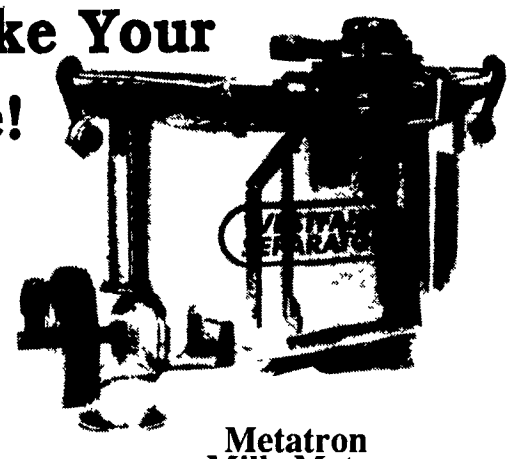
Now milking stimulation can be a timed event.

METATRON Will Make Your Milking System Complete!



Metatron Control

Westfalia's Metatron gives you the edge in effective, economical herd management. This DHIA and USDA approved cowside milk meter provides milk metering on an individual cow milking for in-parlor evaluation. Vital information of milk produced, maximum milk flow, average milk flow and milking time is also available at cowside. Aids you to better manage each individual cow.



Metatron Milk Meter

The Metatron Milk Meter is transparent for visible operation and designed to take years of use. The unrestricted, full 1" milk outlet takes into account all air flow and milk flow requirements for high producing dairy cows of today and tomorrow. It's convenient, too, and can be on line mounted, or remotely mounted out of the operator's way.

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PSU Farm Show Exhibit Celebrates 75th

HARRISBURG — Penn State's College of Agriculture will celebrate the 75th anniversary of cooperative extension at the State Farm Show in Harrisburg, Jan. 8-13.

Governor Robert P. Casey is expected to stop by the Penn State exhibit on Sunday. A cake commemorating extension's 75th anniversary will be displayed at the exhibit and pieces of the cake will be passed out to Farm Show visitors Sunday afternoon.

"Our Farm Show exhibit will focus on activities that contribute to economic and personal development and well-being," says Dr. Lamartine F. Hood, dean of the College of Agriculture and director of Penn State Cooperative Extension.

Penn State's exhibit looks at how the University is conducting extension education programs in five areas:

- Enhancing our economy and environment
- Increasing profitability of our agricultural industry
- Improving individual and family nutrition and well-being
- Developing adult and youth resources
- Using computers in agriculture

College of Agriculture faculty and staff will be at the Farm Show to discuss how these extension programs are working in Pennsylvania.

Cooperative extension, which was established on the national level in 1914 by the Smith-Lever Act, is a unique partnership between the U.S. Department of Agriculture, state and local governments and land grant universities. In Pennsylvania, extension is directed through Penn State's College of Agriculture. It extends informal and continuing education programs to the people of Pennsylvania through 67 county offices.

Visitors to the Penn State exhibit will see how extension in Pennsylvania is evolving to meet the needs of the 1990s. To illustrate the theme of "Cooperative Extension: Improving Our Lives Through Education," Penn State faculty and staff have prepared 15 separate presentations.

Extension programs on solid waste management, improvement of water quality and community and rural economic development will be featured at the exhibit. Visitors will be able to get a computer printout of the solid waste situation in their county, learn about extension programs to aid small businesses and community revitalization and find solutions to some water quality problems.

In a program titled "Radon: The Invisible Threat," Penn State faculty will explain the dangers of radon, a naturally radioactive gas, and discuss options for detecting and dealing with it. The Environmental Protection Agency estimates that between 5,000 and 20,000 lung cancer deaths can be attributed to home radon problems.

Visitors will also be able to test their knowledge of levels of fat, sugar and cholesterol in common foods. Other food and fitness options that can benefit individuals will also be presented.

Penn State's Expanded Food and Nutrition Education Program provides nutrition information to low-income families. At the Farm Show, Penn State nutritionists will hand out recipes and talk about how to buy and prepare a variety of tasty and nutritious foods.

Child care options for rural communities should also be a popular topic at the exhibit. With more and more mothers working outside th ehome, the availability of quality child care is important to rural communities competing for new businesses or attempting to retain established ones. Extension programs designed to help communities meet this challenge will be discussed.

Penn State faculty and staff will also present information on a practical farm financial management program for full- and part-time producers, farmland preservation issues and youth programs in both rural and urban areas, among other topics. Penn State students will be on hand to discuss careers in agriculture and the Pennsylvania Governor's School for Agricultural Sciences, a summer program for academically talented high school students.

"It is fitting that our recognition of extension's 75th anniversary will begin at Farm Show," says Hood. "The rich tradition of farm show and the success of extension complement each other well. Extension programs benefit the agricultural, food and fiber industries and improve the quality of life of all people in Pennsylvania."

The Farm Show Complex is located on Cameron Street in Harrisburg, just off Exit 23 of Interstate 81. The show runs from Jan. 8 to 13. Show hours are from 1 p.m. to 6 p.m. on Sunday, 8 a.m. to 9 p.m. Monday through Thursday, and 8 a.m. to 4 p.m. on Friday.

NARA Plans First National Convention

WAYNE, NJ — The National AgriChemical Retailers Association (NARA) will be holding its first national convention in Las Vegas, Nev., on February 8, 1989.

The meeting will focus on vital issues that affect all retail pesti cide dealers today, Ken Root, NARA executive director, says. Topics to be discussed include groundwater legislation, pesticide container disposal, food safety and prime-time pesticide advertising.

"Part of the convention will be an open forum providing a straightforward discussion of issues important to NARA members specifically," Root says. "Speakers representing interests inside and outside the agrichemical industry have been invited. We want to discuss all sides of the issues."

NARA, the first independent, national trade association for pesticide retailers, began operation in March of this year. It currently has 1,500 members.

In addition to addressing today's pesticide issues, the convention will highlight NARA's first-year accomplishments, including opening an office in Washington, D.C., and adopting a resolution calling for pesticide manufacturers to focus advertising on the farmer and away from prime-time television.

"This convention will demonstrate the current capabilities and the future potential of a national retailers' organization," Root says. "After this meeting, NARA truly will be speaking as a unified voice for 1,500 retail pesticide dealers."

NARA's board of directors will meet on February 6 in Las Vegas to elect its 1989 officers. The convention for the entire membership will begin at 8 a.m. on February 8 at the Las Vegas Hilton.

A media room will be provided, and journalists are invited to attend.

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Carcass Demonstration - *Keith Fisher, British Meat & Livestock Commission*
Presentation of fresh lean pigmeat, a perspective from England - *Keith Fisher*
Nutrition and Genetics, it is wiser and more profitable to produce lean - *Andrew Coates, PIC*
'Handle with Care' - eliminate sort and bruising losses - *Joe Strittmatter, PIC*
Buying 'Lean Cuts' electronically - *Doug Clemens, Hatfield Packing*

For more details on this seminar, or more information about PIC, please call 1-800-325-3398 or check with one of our local representatives; Keystone Mills, Hess Mills, Henningers Mill, Clark's Ag. Center, West Willow Farmers Association, Albright's Mill

COBA/Select Sires Announces Dairy Management Seminars

COLUMBUS, OH — General Manager Larry Neel announced the schedule for the 1989 Dairy Management Seminars. The meetings will be held the last week of January through the first week of February. All meetings will begin with registration at 10:00 a.m. and include a complimentary luncheon. COBA sponsors these meetings to keep members informed about the current line-up and up to date on the happenings of the cooperative.

An outstanding cast of speakers is on the schedule. Districts 1-4 will hear Dr. A. E. Freeman of the animal science department at Iowa State University. Freeman will discuss "Integrating Genetic Evaluations into a Breeding Plan for your Herd." Blaine Crosser, Select Sires marketing coordinator, will present the sire information in these districts.

Dr. Ron Pearson, professor of dairy science at Virginia Polytechnic Institute, will speak in Districts 5, 6, 10, 11, and 12. His topic will be "Capitalizing on your Genetic Opportunities." Select Sires marketing assistant -- special services, Jerry Emerrich, will discuss the sires at the meetings.

Districts 7, 8, 9, 13N, and 13S will have the sire information presented by either Steve or Duane Moff, dairy program specialists, COBA/Select Sires. The featured speaker at these meetings will be Dr. George Heersche, University of Kentucky, department of animal science. His topic will be "Why A. I. Heifers."

Plan now to attend your district meeting and get involved in your cooperative. A complete listing of dates and locations follows.

All interested members are encouraged to attend the meeting that is scheduled for their district. A complete listing of locations and dates follows.

District 1
February 2, 1989, Holiday Inn, Napoleon, OH (Jct. St. Rt. 108 & 24).

District 2
February 1, 1989, Van Wert Inn, Van Wert, OH (South of US 30, 1 block on US 127).

District 3
January 31, 1989, Holiday Inn, Sidney, OH (Jct. St. Rt. 47 & I-75, Exit 92).

District 4
January 30, 1989, Holiday Inn-Englewood, Dayton, OH (Jct. St. Rt. 48 & I-70, Exit 29).

District 5
February 3, 1989, Der Dutchman, Plain City, OH (South on St. Rt. 42 & 161, South side of town).

District 6
January 31, 1989, Elks Lodge, Wilmington, OH (Jct. St. Rts. 73, 22, and 3).

District 7
February 1, 1989, Golden Gate Restaurant, Warren, OH (Northwest of Warren on St. Rt. 422).

District 8
February 3, 1989, The Barn, Smithville, OH (877 W. Main St., 5 miles North of Wooster on St. Rt. 585).

District 9
February 2, 1989, Timberlanes, Salem, OH (Jct. of Hwys, 14 & 62 on East side of Salem, South 1 block, right on E. Pershing St., 2 blocks).

District 10
February 2, 1989, Methodist Church, Somerset, OH (Rt. 22, East of Jct. Rts. 22 & 13).

District 11
February 1, 1989, Community Center, Noble County Fairgrounds, Caldwell, OH (North side of St. Rt. 78, East of I-77, brick dwelling on South end of fairgrounds).

District 12
January 30, 1989, University Inn, Athens, OH (US 33 bypass take Athens Exit to St. Rt. 682, at traffic light turn left, Inn is on right).

District 13N
January 31, 1989, Days Inn, Meadville, PA (Exit off I-79, at St. Rts. 19 & 322).

District 13S
Days Inn, Butler, PA (139 Pittsburg Rd., take Butler Exit off St. Rt. 422, South on St. Rt. 8).

Small Farmers Need Friends

REDDING, CA — Seven out of 10 of all the farms in the U.S. are small farms, bringing in less than $40,000 a year in sales," said Howard "Bud" Kerr, Director, USDA's Office of Small Scale Agriculture. "Even so," he added, "most politicians focus only on the needs of the remaining 30 percent of the nation's farmers who produce 90 percent of the nation's agricultural output. No one champions the cause of the small farmer in Washington, D.C."

Kerr, a 28-year veteran at USDA explained that his office was created by Secretary of Agriculture Richard Lyng in 1986 to specifically address the needs of small farmers. The office has five current programs that meet the needs of small scale agriculture which include a newsletter, a survey of all 36,000 USDA programs to determine which could be adapted to better serve small farmers, participation in conferences on small farms, preparing fact sheets and compiling a national directory on small scale agriculture.

Kerr addressed the delegates attending the 122nd annual convention of the National Grange being held in Redding, CA, last November. The Grange is the country's only fraternal farm and rural community service organization. It has 4500 local chapters and a membership of 365,000.

"Small farmers suffer from the same limited resource problems that large farmers do," Kerr explained. "Embrace America's small farmers for their contribution to U.S. agriculture," Kerr said. He concluded his remarks by reminding the Grange leaders that small farmers are "natural partners of the Grange."

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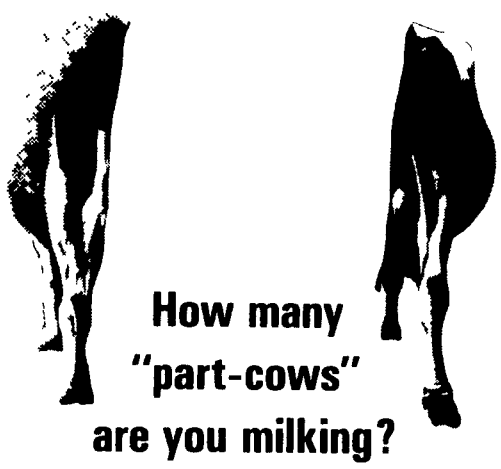

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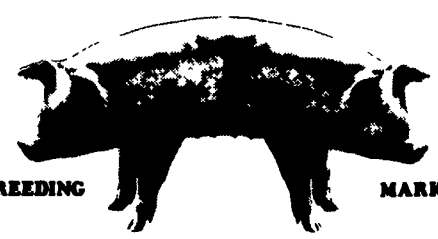

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Nutrient Management Begins With The Whole Farm

ANAHEIM, CA — "Proper nutrient management begins with a look at the whole farm, not each field individually," said Dr. Douglas Beegle, Penn State associate professor of agronomy. ,

Penn State research has shown that records are extremely important as a tool to keep track of trends and maximize profitable crop response. Beegle said that a sound nutrient management plan and records are the most important resource a farmer has to manage nutrients for maximum economic benefit and minimal environmental impact.

Beegle reported on the importance of developing a nutrient management plan. "The problem has been that manure nutrients have not been well accounted for because of the difficulty in knowing the amount applied," he added. He made his remarks as part of the 1988 annual meeting of the American Society of Agronomy.

He and Phil Durst, a Penn State county extension agent, reported on a system developed at Penn State to help make developing plans easier. The programs organize information into a more useful form, while alleviating the drudgery of evaluating and condensing a pile of accumulated soil test results. Both standard paper worksheets and computer-generated spreadsheets have been developed.

The computer program uses information such as the number and size of animals, length of confinement during the year and other factors to estimate manure production on a farm. Another program matches up analyses on a field-by-field basis and then decides on manure application rates to meet the nutrient needs of the crop.

Beegle explained that the comprehensive program integrates farm nutrient management with the whole farm. Soil test information from each field on the farm must be entered, along with the manure analyses and crop rotation information. Finally, the computer program organizes fields on a priority system and indicates which fields stand to benefit the most from manure application and which could be harmed by additional manure.

Penn State agronomists have also developed paper worksheet on manure analysis. Like the computer-generated spreadsheets, the worksheet matches up the soil test requirements with the manure analysis to decide how much manure should be applied to each field.

Another worksheet helps farmers calibrate manure spreaders.

"The economics of nutrient management are clear," Beegle concluded. "Managing plant nutrients for maximum economic benefit is the bottom line; however, the environmental effects of nutrient management are also just as important."

Good managers need to understand what nutrients in the manure can be utilized to grow a crop. Also the average amounts of nutrients may vary greatly. Beegle says that it is important to use an actual manure analysis rather than depend on average values from a table.

Although there can be significant farm to farm variability, there is generally little on-farm variability from year to year if the management on a farm stays constant. Thus, information from this year's manure analysis can be used as a guideline in planning next year's management.

Beegle concluded by emphasizing that planning is essential in recycling nutrients. The key to maximizing recycling potential is soil testing. A soil test indicates which fields need nutrients and how much manure to apply them to meet the crop needs for optimum yields. A soil test also helps avoid imbalances.

EPDs Aid In Bull Selection

BILLINGS, MT. — When it comes to bull selection, can you depend upon EPDs to do the job, according to Roy Wallace of Select Sires Inc. Wallace spoke at the American Angus Association Conference.

"It's a game of averages," Wallace said in describing the use of EPDs for bull selection. The higher a young bull's EPD, the more likely he is to perform the way you want him to.

Wallace described how he evaluated the records on 257 registered Angus bulls with accuracy records of .7 or better. He first figured the bulls' projected EPDs for yearling weight as if they were young bulls with no other record than their own and their sire's and dam's. Then he figured in the bulls' records based upon their progeny performance. What he found was that all bulls in the range of zero to plus 10 pounds projected EPDs for yearling weight has average EPDs based upon progeny results of plus 10.45 pounds. Those with plus 20 to 30 pounds projected EPDs range averaged 24.63 pounds EPDs with progeny results figured in. The bulls with plus 30 to 40 pounds projected EPDs had progeny-added EPDs of 39.85, while bulls in the projected plus 40 to 50 pound EPD range averaged 55.7 pounds EPDs with progeny results figured in.

Wallace pointed out a few bulls in each category fell out of the group, either above or below. But he stressed, "You could sample zero to plus 10 pound projected EPD bulls and never find a plus 50 pound EPD bull, while in the plus 40 to 50 pound projected EPD group there were a high percentage of them."

As far as EPDs on proven bulls are concerned, they are right on the money, according to Wallace. He used as an example the most used bull in the Angus breed with 12,500 progeny records recorded with the American Angus Association's AHIR program. His yearling EPD is plus 39 pounds and the standard deviation (or how you might expect his progeny to vary from his own record) is only plus or minus one pound.

"The beef cattle breeding business has finally advanced to the stage of science." Wallace said. "We now have a good reliable predictor for evaluating the genetic merit of the animals within a population. Sure there are errors, sure some bulls are better than the data says and some not as good. But get enough numbers on them and you have a pretty good idea of how they will perform," Wallace said.

"What's more," he added, "the first planned breeding program in Great Britain was based upon the principle of 'Like Begets Like.' We are using the same principle today. When cattle that perform well are mated, their offspring are likely to perform the same way, like Begets like."

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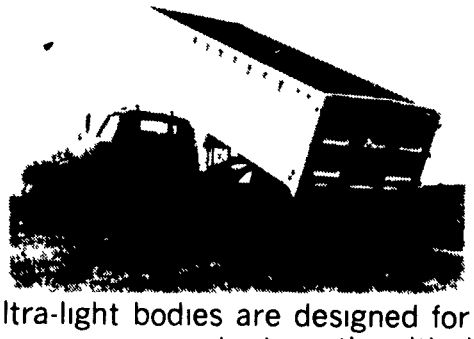

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Horticulture Industry Expo Scheduled

NEWARK, DE — The Delaware Horticulture industry expo is slated for January 23 and 24 at the Sheraton Inn in Dover, Del. The expo is cosponsored by Delaware Cooperative Extension and the Delaware Association of Nurserymen.

Registration begins at 8:15 a.m. on January 23, with the program beginning at 8:45 a.m. and concluding at 3:30 p.m. On January 23, registration begins at 8:30 a.m., with the program beginning at 9 a.m. and concluding at 4 p.m. Lunch and morning and afternoon breaks are provided both days.

Susan Barton, University of Delaware Extension specialist in ornamental horticulture, is this year's expo coordinator.

"We'll have a wide range of topics," Barton said. "focusing on down-to-earth, practical information for the horticulture industry."

Topics range from controlling pests in the greenhouse to water quality and its effects on greenhouse plants, to growing and marketing outdoor cut flowers.

"We have a good lineup of speakers," Barton commented, "including Dr. Bonnie Lee Appleton, the Extension specialist for nursery crops at Virginia Polytechnic Institute and State University. Appleton has devoted an entire book to landscape renovation. She will discuss a step-by-step procedure for evaluating landscapes before renovation."

Marc Cathey is a national horticulture figure who also will be featured at the expo. Cathey, director of the U.S. National Arboretum, will talk about tough plants for tough sites.

The expo offers price breaks for early registration, more than one person from the same organization and for attending more than one day of the event. Before January 17, fees are as follows: $45 per person for both days, $42 per additional persons from the same operation, $25 per person for one day of the program. After January 17, fees will be as follows: $50 per person for both days, $30 per person for one day of the program.

Make checks payable to Delaware Association of Nurserymen and send to: Susan Barton, Townsend Hall, University of Delaware, Newark, DE 19717; 302/451-2532.

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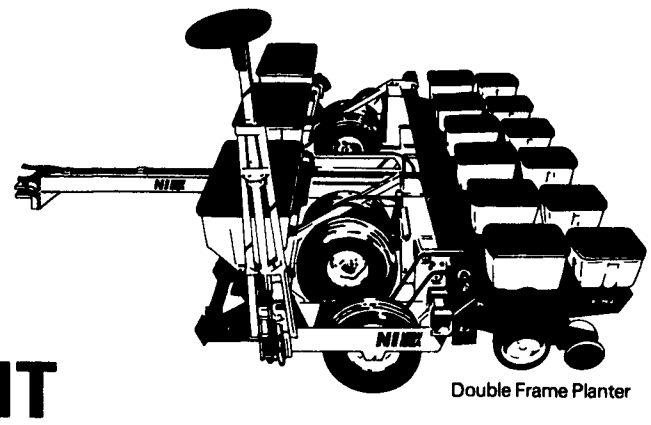
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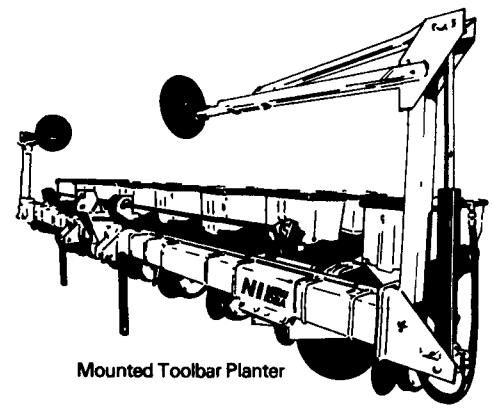
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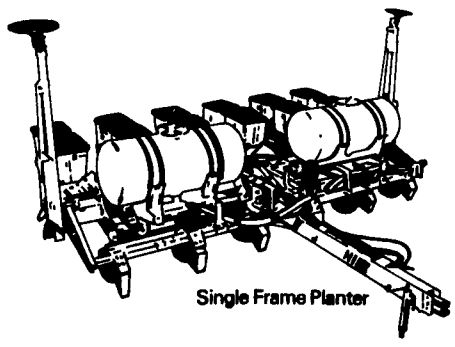
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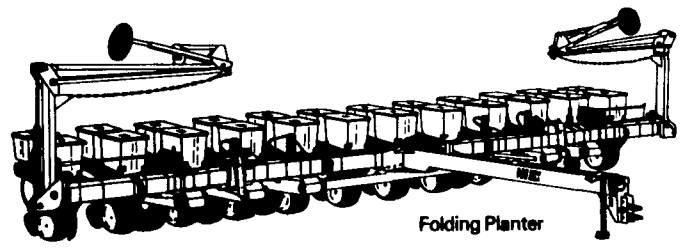
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Clean And Store Spraying Equipment

UNIVERSITY PARK (Centre) — Cleaning and winterizing spraying equipment are important to prevent corrosion, cross contamination of pesticides, crop injury and to prolong the life of the equipment. Don Daum, Penn State ag engineer, offers the following recommendations.

The last washing of sprayers for the season should be very thorough. A sudsy detergent solution (¼ pound powder or equivalent liquid per 25 gallons of water) will clean sprayers of many pesticides, especially insecticides and fungicides. However, herbicides, especially hormone herbicides, are very difficult to remove and require other cleaning agents. Salt or amine formulations of herbicides can usually be neutralized by household ammonia (one quart per 25 gallons) or removed with trisodium phosphate (TSP) (two pounds per 25 gallons) or finely ground activated charcoal (½ pound) and detergent (½ cup per 25 gallons). Ester formulations are very difficult to remove and may even be absorbed by the sprayer hoses; one recommendation is to use a combination of washing soda (one pound), kerosene (one gallon) and detergent (¼ pound per 25 gallons). Be sure to rinse all cleaning solution from the sprayer and completely drain. You can never be sure that all traces of pesticide are removed from application equipment. However, a thorough washing and repeated rinsings will greatly reduce the amount remaining.

In addition to cleaning before storage, all parts of the sprayer, especially the pump, must be protected from corrosion and damage. One approach is to completely drain the entire sprayer system, even if it means partial disassembly. Blow air through the system or leave it open to dry; otherwise parts may corrode or water may collect in low places and cause freeze damage. A better method is to add automotive antifreeze solution to the sprayer. This provides protection from freezing as well as corrosion. If the sprayer has no rubber parts, used engine oil may be used in place of antifreeze mix. Or fruit growers may want to add dormant oil, since that will be the first spray next spring; just add proper amount of water and spray. Whatever you use, run the sprayer until the liquid is spraying from the nozzles to ensure all parts of the sprayer are protected. If you just drain the sprayer, you should at least put antifreeze or oil in the pump.

If the sprayer has an engine, additional servicing is required. Follow the recommendations in the operator's manual. Clean the outside of the engine, especially the cooling fins on an air-cooled engine. Completely drain or add antifreeze to the cooling systems of water-cooled engines. Service or replace the air cleaner. Rust-preventive oil can be added to the cylinders to protect the interior of the engine during storage. Drain the fuel system or add a fuel stabilizer.

Before storage, check the sprayer for worn or damaged nozzle tips, cracked hoses, damaged screens, weak clamps, inaccurate or broken pressure gauge, worn pump and drive, or any other part that may need replacement. Order now so you can rebuild the sprayer this winter and be ready when spraying season starts again next year. Your sprayer is an important tool and it deserves proper care.

Simmental Association Meeting Schedule Set

BOZEMAN, MT — The American Simmental Association has finalized its schedule of national meetings for 1989.

ASA's 21st Annual Meeting and Convention will be held in Little Rock, AK, February 19-21, with the Excelsior Hotel serving as Convention Headquarters. The Arkansas Simmental Association is planning a cattle sale in conjunction with the Convention.

"Summer Classic IX," the highlight of the ASA junior membership year, will be conducted in Des Moines, Iowa, during the week of July 10-14. The event will utilize the Iowa State Fairgrounds for cattle activities, with support provided by the Iowa Simmental Association and Animal Science faculty from Iowa State University.

The Association's 15th Annual Summer Conference will be held July 20-22 in Lansing, MI, with the Radisson Hotel serving as Conference Headquarters. The Michigan Ag Expo, sponsored by Michigan State University, will be held concurrently in Lansing.

ASA's 22nd Annual Meeting and Convention will be held in Washington, D.C. with a Convention hotel and final dates yet to be determined.

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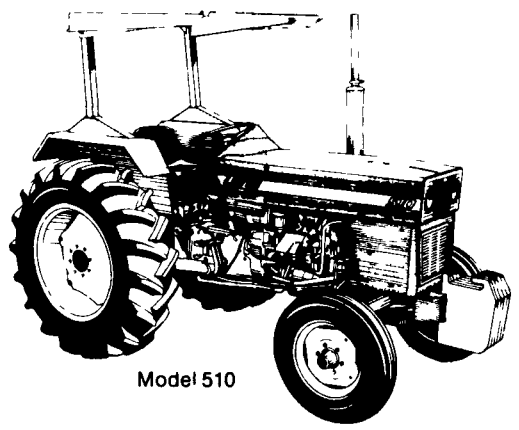
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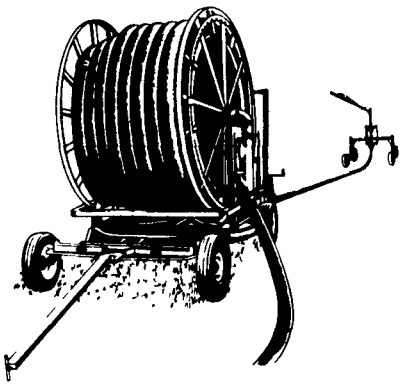

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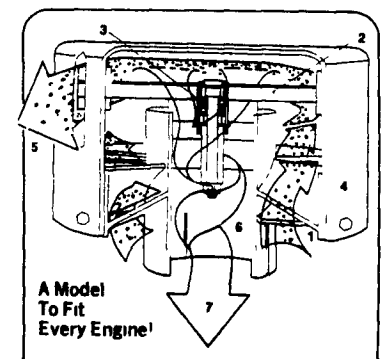

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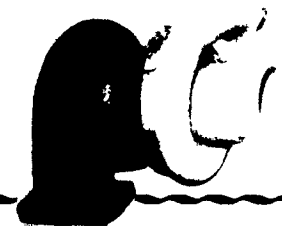

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Penn State Offers Meetings On Farm Labor Laws

UNIVERSITY PARK (Centre) — Confusion over a host of complex laws protecting agricultural workers has confounded agricultural employers throughout the state. In some cases, the confusion has led to uneasy labor relations between farm workers and employers. Understanding how to apply the new regulations concerning workers rights and health and safety protection is critically important to employers of both full-time and part-time agricultural labor.

"Today, the legal environment in agriculture is changing so rapidly that employers cannot afford to ignore the implications of their farm labor practices," said John Becker, associate professor of agricultural economics at Penn State. "The application of laws and the severe consequences of violating regulations relating to human resources and personnel management in agricultural work sites have intensified the need for educational programs for agricultural employers."

In response to requests by farm organizations, farm employers, employee groups and extension agents, Penn State Cooperative Extension, with support from the Center for Rural Pennsylvania in Harrisburg, is offering three regional conferences for employers of farm labor. According to Becker, who is coordinating the conference, most employers are very anxious to learn more about the new regulations in order to comply. Regulations often overlap, sometimes conflict and, in some cases, are still evolving. The conferences should help employers sort our those regulations that apply to their operations.

All employers of farm labor, from a dairy farmer with two part-time barn workers to an apple farmer with 100 seasonal migrant workers, are affected by some aspect of the new requirements. All are eligible to attend the conference. The program advisory committee includes representatives from farm organizations, state and federal agencies and farmworker support groups.

The program will begin with a presentation on employer-employee relations by Raphael Ramos, an independent mediator between farm workers and employers. A representative from the U.S. Department of Labor, Wage and Hour Division will discuss rules and regulations that affect agricultural employers and employees. A representative from the U.S. Immigration and Naturalization Service will discuss immigration reform, including the I-9 form, special agricultural workers and the H-2A program and enforcement. Bob Parsons, project assistant in farm management extension at Penn State, will present information on employee income tax withholding.

An afternoon session will address federal and state laws concerning migrant and seasonal workers, including which employers and employees are covered and what employers can do to comply.

Conference topics on the second day concentrate on employee health and safety regulations, including the Occupational Safety and Health Act, the Hazard Communication Standards, Federal Field Sanitation Regulations and OSHA housing regulations. Workshops will cover the Pennsylvania Right-To-Know regulations, workmen's compensation and Superfund amendments, as well as the Pesticide Control Act and pending EPA regulations. Final sessions include management of employer-employee relationships and community-based resources that can help improve worker productivity.

Special lunch speakers are Chuck Fields, assistant director of the National Affairs Division of the American Farm Bureau Federation, who will speak about trends in agricultural employment laws, and Peter Furey, administrator for the New Jersey Farm Bureau, who will speak about how New Jerssey has coped with farm labor laws.

Because space is limited, conference coordinators advise farm employers to register early. The registration fee of $30 includes lunches and workshop materials. Participants will receive a manual that summarizes rules for compliance and contains detailed rules and regulations for future reference. They will also receive core credits toward pesticide recertification. The two-day sessions will be held at the following locations:

* Clarks Summit, Jan. 16 and 17, at Thompson's Dairy Bar, Newton Ranson Blvd., Lackawanna County. The registration deadline is Jan. 3.

* Kennett Square, Feb. 8 and 9, at the Ramada Inn, Rt. 1 and 202, Chester County. The registration deadline is Jan. 24.

* Gettysburg, Feb. 14 and 15, at the Holiday Inn, 516 Baltimore St., Adams County. The registration deadline is Feb. 1.

For more information about the course content, contact the Penn State department of agricultural economics at (814) 865-7656. For more information about registration, contact the Agricultural Conference Coordinator at (814) 865-9547.

Farm Show Bus Reservations

HONESDALE (Wayne) — The Wayne County Extension Service will again sponsor a bus to the Pennsylvania Farm Show in Harrisburg. The bus will leave the Wayne County Court House on Tuesday, January 10, at 7 a.m. and return to Honesdale at approximately 10 p.m. the same day. The bus will not make meal stops, thus allowing for more time to be spent at the Farm Show. Numerous eating facilities are available at the Farm Show Complex. Your firm reservation including a check for $13 each, must be received in the extension office by January 4 in order to guarantee your seat. There is no charge for entrance to the farm show complex.

The theme of the 73rd Pennsylvania Farm Show is "Pennsylvania Agriculture: The Keystone of Our Economy," a salute to the men and women who have made agriculture our primary industry and Pennsylvania the leading agricultural state in the Northeast. The show is held in Harrisburg, January 8-13.

Of special interest to Wayne County goers will be the Jersey show. Exhibitors from Wayne County include: Jim Yatsonsky, Amy Theobold, Clarence Fitze, Todd Terhune (4-H exhibit), Arthur & Margot Spangenburg, Roger & Pat Hess, and Beth & Jon Cassel. Scott Lewis will be showing a 4-H market hog.

Send reservations including your name, address, and telephone number, along with a check ($13 each) to the Wayne County Extension Service, Courthouse, Honesdale, PA 18431 by January 4. Make checks payable to: Wayne County Extension Service. For more information, call (717) 253-5970, ext. 239.

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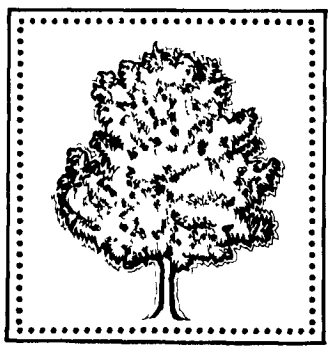

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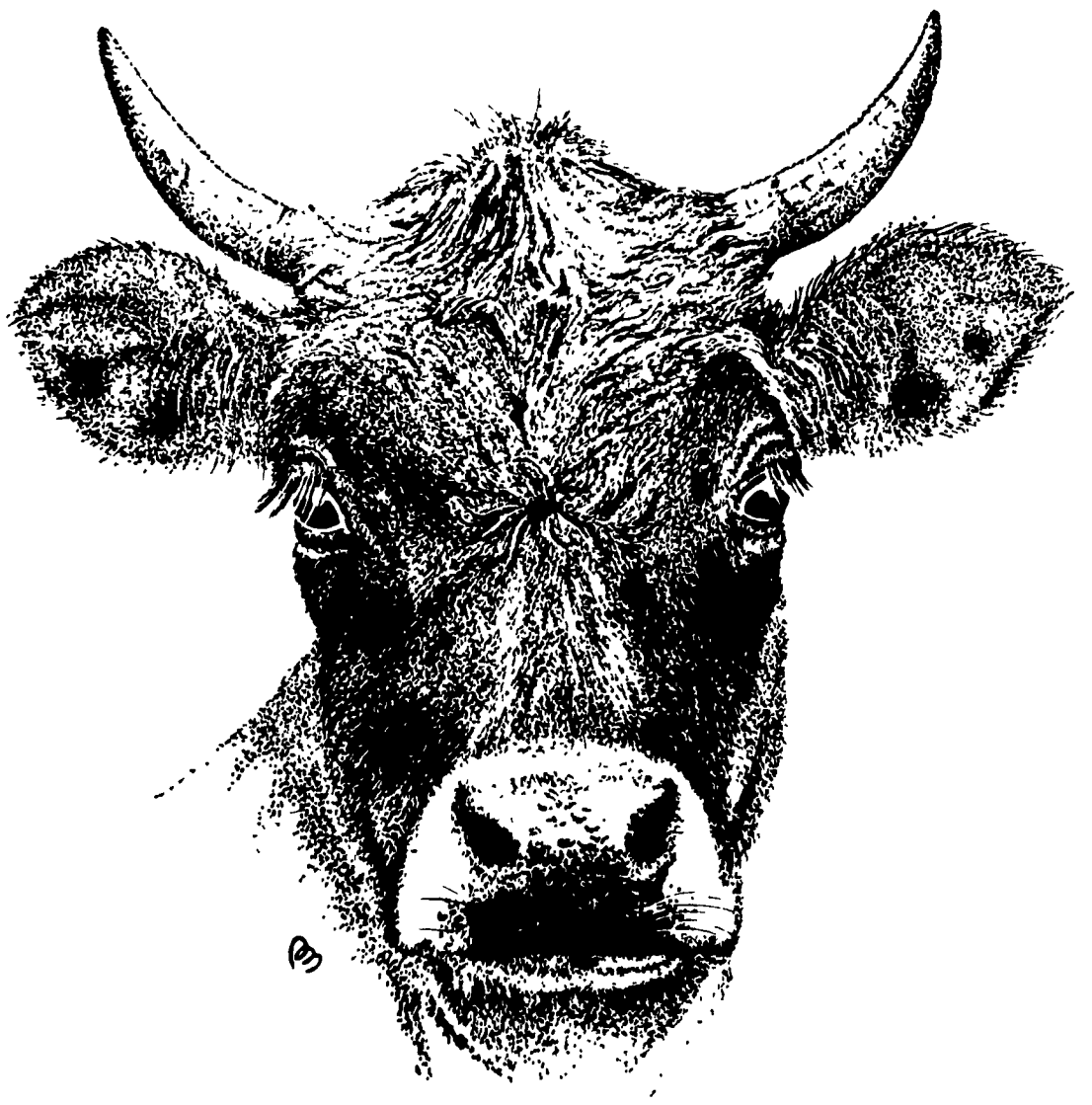

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Sheep Producers To Vote On Pennsylvania Referendum

DENVER — Sheep producer leaders nationwide will decide whether to merge the National Wool Growers Association (NWGA) and the American Sheep Producers Council (ASPC) at the American Sheep Industry Convention. Final decisions will be made at the annual meetings of NWGA and ASPC, Jan. 20 and Jan. 21, respectively. The convention will be January 18-21 at Bally's in Las Vegas.

The Implementation Committee recommended "American Sheep Industry Association, Inc." (ASI) as the official name of the organization if the merger is approved. The committee polled NWGA and ASPC boards of directors and "American Sheep Industry Association" was favored by a 2 to 1 margin. The Implementation Committee is responsible for developing detailed recommendations regarding the merger.

Pending acceptance of the merger, the new board of directors will meet during the convention, Jan. 21, to elect an 11-member executive board which will include a president, vice president and secretary/treasurer of the new association.

ASI's major functions will be similar to NWGA's and ASPC's current functions: lamb and wool market development, producer services and government relations. NWGA and ASPC represent the interests of the nation's 114,000 sheep producers.

ASPC conducts advertising, publicity, merchandising, educational and public relations programs to increase the demand and awareness of American lamb and wool for the sheep industry. NWGA is involved in regulatory and legislative matters that affect the American sheep industry such as the Wool Act, animal damage control and public lands issues.

The NWGA and ASPC board of directors voted in favor of the merger plan in their October board meetings and many of the states are considering the merger at their state conventions this fall. The USDA has also given its written approval for the merger.

In addition to the important merger decision, the American Sheep Industry Convention will feature many other programs. Some of the nation's leading experts in lamb, wool, international trade and marketing will be speaking during the convention.

"Meeting the Marketing Challenge," at 3 p.m. Thursday, Jan. 19, will feature speakers Drs. John Allen and Tom Pierson of Michigan State University, as well as representatives from Sterling-Rice Communications. Speakers will discuss the importance of effective marketing programs, and how to reach the consumer with the most effective message.

At 10 a.m. Friday, Jan. 20, a team of Texas A&M researchers, who offered a popular workshop at the 1988 convention, will explain "Meeting the Challenge in Lamb Feeding and Product Distribution." They will take lamb through product stages to the meatcase, and discuss how and why lamb sells. Dr. Russell Cross and Dr. Jeff Savell of Texas A&M, and Dr. Daryl Tatum of Colorado State University will speak.

Friday afternoon at 3, the information session will be "Meeting the Management Challenge," with Dr. Wayne Purcell of Virginia Tech, Dr. Charles Parker of Ohio State University, and a panel of producers who participated in the National Sheep Improvement Program.

The final information session at 10 a.m. Saturday, Jan. 21, will feature a wool marketing panel and Thomas Drummond of the Australian Wool Corporation on "Meeting the Challenge in Wool Marketing and Processing."

For more information or registration forms contact American Sheep Industry Convention, 200 Clayton St., Denver, CO 80206; (303) 399-8130.

High Moisture Is High Risk In Poultry Industry

BY HERBERT C. JORDAN
Assoc. Professor
Penn State

Poultry farmers seem to have a love affair with water in the last quarter century.

Poultry feed that used to be 9 percent moisture is now 11 percent or higher moisture. This allows mixed poultry feed today to be less nutritious, more variable and rot, spoil or decompose faster.

Manure that used to dry soon after it was produced is now allowed to lay wet at 50-95 percent water in over half of all poultry farms. Water in manure makes it too heavy to haul, too toxic to use and too odorous to spread.

The most frequent government citation against farmers historically has been for layer manure that is old, wet and decomposed. Odor and flies lead all other complaints about old, wet manure. Crop toxicity or reduced crop yield occurs more with old, wet manure than with dry or fresh poultry manure. A successful program is to reduce water in feed and manure. Plan to do as follows:

- Feed high-quality mash or pellets to poultry - fresh, no older than one week in storage after processed;
- Feed ground feed products that are nine percent moisture or below;
- Dry manure one hour after it is produced to below 50 percent moisture and in one day to below 10 percent moisture if possible;
- Keep manure dry in storage;
- Turn manure into the top three inches of soil soon after the manure is produced;
- Do not allow excess moisture in feed or manure to damage your program.

Excess moisture or water in feed, meat, eggs or manure is a costly problem. Moisture or water has these disadvantages:

- The density of water is about twice that of dry matter feed or manure so it weighs double for the same volume measured. This makes it too heavy and costly to transport;
- The microbe count in high moisture feedstuffs or high moisture manure is many thousand lent in manure over 50 percent water.

Quality, price, performance and shelflife are inversely proportional to percent water in any of these products.

Seek help, if moisture content is a problem on your farm.

- The flies, odor, toxic gas and unidentified products that damage people and plants are more prevalent in manure over 50 percent water.

Quality, price, performance and shelflife are inversely proportional to percent water in any of these products.

Seek help, if moisture content is a problem on your farm.

times higher than in dry products. These dry products are more stable in storage, and quality is maintained;

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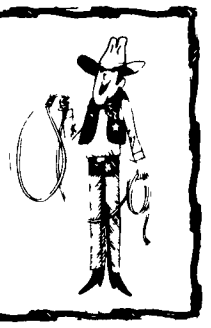

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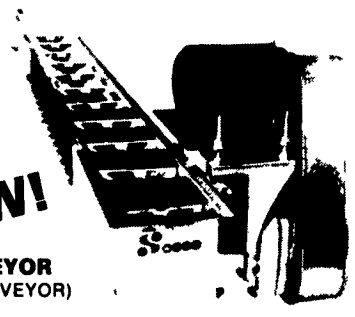

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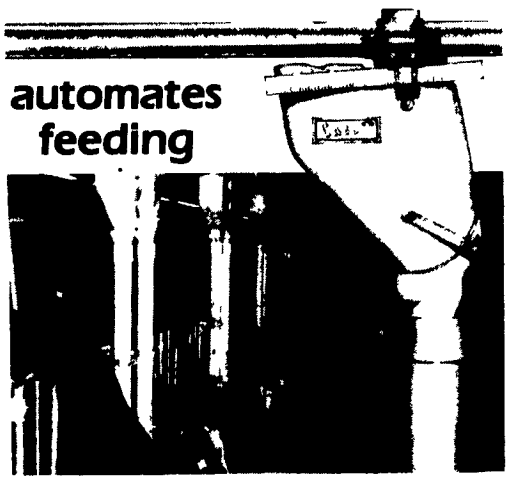

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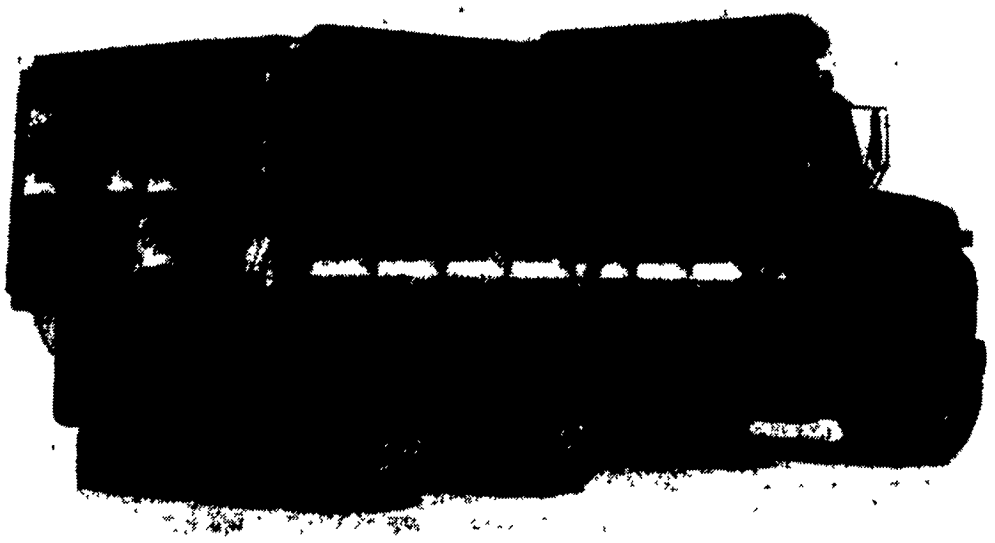

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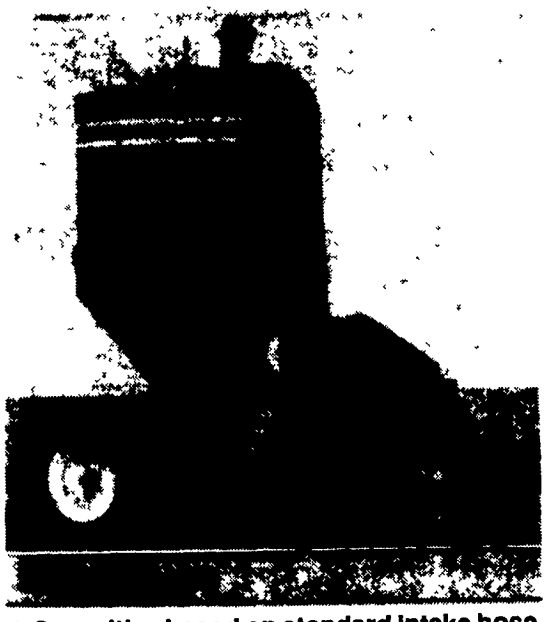

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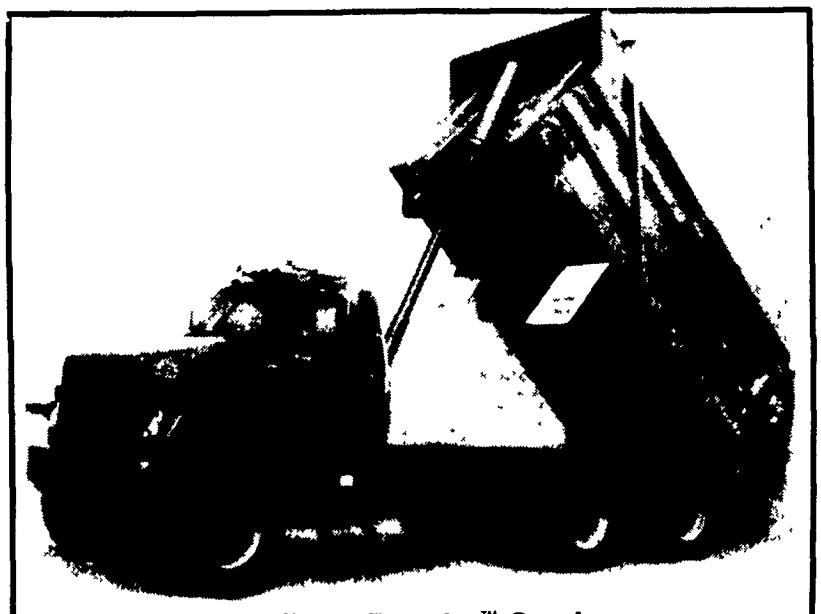

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National Study Supports Changes For Education

"Most Americans know very little about agriculture, its social and economic significance in the United States, and particularly, its links to human health and environmental quality," according to the recently published study of agricultural education in secondary schools by the National Research Board of the National Academy of Sciences.

To achieve a "vision of what agricultural education is and should become at the secondary level if a competitive agricultural industry is to survive in this country," the national study of agricultural education outlined a set of recommendations for vocational agriculture and the FFA that builds "on the programs and approaches of the past but goes beyond them in scope and content." The challenge given to the FFA and vocational agriculture is being met with innovative and aggressive initiatives in agriscience, marketing, and international agriculture.

The stakes are considerable. According to government figures cited by the study, "U.S. industries that serve agriculture by producing, processing, marketing, and preparing food and fiber products for consumers account for about $700 billion in economic activity each year, which is about 16.5 percent of the gross national product." Some 20 percent of the nation's workforce is engaged in occupations directly related to agriculture.

After documenting "disturbing trends," the study committee advocated a national goal of achieving "agricultural literacy," a task which would extend the teaching of agricultural concepts to all levels of public education and broaden the scope of vocational agriculture and FFA programs.

"This study represents a landmark in the evolution of agricultural education in the United States," said Dr. Larry D. Case, national FFA advisor, "because it makes three important statements: agriculture is important to our nation; education in and about agriculture is vital for all Americans; and vocational agriculture and the FFA have made — and are continuing to make — major contributions to both the industry and the cause of agricultural literacy."

The current model of vocational agriculture, developed over the past 60 years, combines the three elements of classroom and laboratory instruction, a supervised occupational experience program for each student, and participation in the FFA, the organization for students of vocational agriculture. Its success has implications for all of education. "Vocational agriculture characteristically includes many of the activities and approaches currently recommended for the improvement of secondary education in general: training for leadership and entrepreneurship, longer periods of time devoted daily to education, a problem-solving approach to learning, high quality teachers, and greater cooperation with the private sector," said Stuart Rosenfeld, Deputy Director of the Southern Growth Policies Board and a member of the Academy study panel.

The study, commenced almost four years ago, made specific recommendations that vocational agriculture programs and the FFA should continue to broaden their activities and programs of instruction and go well beyond providing education in production agriculture alone. A number of innovative programs, including Walter Biddle Saul High School in Philadelphia and The Chicago High School for the Agricultural Sciences, were cited as "successful, high-quality, agriculture education programs that have combined strengths of the traditional vocational program model with new approaches and broadened curricula." The two programs have the first and third largest FFA chapters in the nation, respectively.

"One of the most exciting aspects of the study is that it draws public attention to the successes of the vocational agriculture model and highlights the changes already taking place in FFA and many of the instructional programs," said Case, the senior program specialist for Agriculture, Agribusiness and Natural Resources, USDE. "The National FFA Organization is already well on its way along the course recommended by the study panel."

According to Case, the National FFA Organization has been conducting a comprehensive review of current contest and award programs, and is developing new ones to address and support education in agriscience, marketing, computers and agricultural technology. "Over the last three to five years we have looked at our twenty-nine proficiency awards and twelve national contest programs and restructured them to emphasize elements of business management and competencies in the agricultural sciences," said Coleman Harris, national FFA executive secretary. "The FFA Computers In Agriculture award and seminar programs are encouraging our students to study and apply computer technology in agriculture," Harris explained. "In 1987, FFA instituted a national award program which recognizes teachers for excellence in their instruction of agriscience. It is the first program FFA has developed to recognize teachers. This year, the organization is initiating the first recognition program for students in agriscience. Plans have just been finalized for several agricultural commodities and marketing competitions this coming year."

The study panel hailed the development by the FFA of the Ag Ed Network, a computer based information and educational resource which provides to the nation's vocational agriculture departments real-world information and data for instruction in agricultural marketing and business management. The four-year-old network was created through an agreement between AgriData Resources, Inc., the National FFA Organization, and the National FFA Foundation.

In addition to its contest and award programs, the FFA has identified major initiatives for education in international agriculture. The organization currently operates a number of exchange programs which enable American vocational agriculture students to work or study agriculture abroad and which bring foreign agriculture students to the United States in association with FFA chapters. FFA proficiency award winners receive an international experience tour of agricultural production, processing and marketing facilities. In addition, the six national FFA officers spend two weeks early in their term on an agricultural experience tour of the Orient.

Specific recommendations were made by the panel for the FFA to consider modifying its image, name, symbols and rituals to more accurately reflect the contemporary curriculum and to embrace a wider range of students. The 404,900-member organization is already conducting an inward look. "The FFA is quite sensitive to the issues of image and public perception," said Kelli Evans, 21-year-old national FFA president from Hayes Center, Nebr. "That is why the student leadership of our state associations has encouraged debate of these issues in our conferences and at our national convention." Evans indicated that some action may be forthcoming soon. "Several months ago, our Board of Directors received the report of a committee which examined our constitution and bylaws for the past two years," she said. "As a result, the delegates to the national FFA convention this November will consider a number of proposed amendments that affect our image and the terminology associated with the educational program. We are ready for change and we are proceeding appropriately."

Guard Against Corn Harvesting Accidents

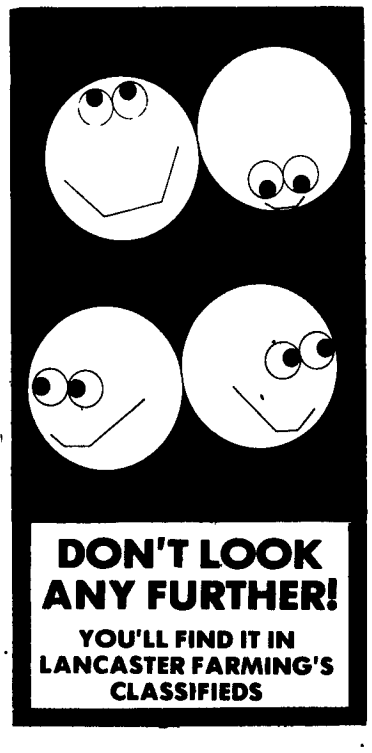
BY ROBERT E. LEIBY, DAVID L. DUNBAR
Lehigh County Extension Agents

A number of Pennsylvania farmers lose fingers, hands, arms and even feet in corn harvesting equipment each year. Some lose their lives. Nearly all of the accidents are preventable, but risk-taking, carelessness, or lack of knowledge allow them to happen. Such tragedies can be prevented, however, especially if farm workers understand the hazards these machines present and practice the safety precautions needed to avoid them.

Cornpickers are usually involved in most severe corn harvesting accidents, mainly because of their easily clogging gathering mechanisms. Characteristically, cornpicking accidents occur when the snapping rolls become plugged and the operator tries to remove debris or cornstalks while the machine is still running.

As he tugs at a plugged stalk or weed, the snapping rolls suddenly free up and begin to roll, yanking stalks or weeds forward at nearly ten feet per second. Before the operator can release his grip, his hand and arm have traveled about three and a half feet and into the machine. To make matters worse, once he is entangled in the machine it is often a very difficult and time consuming task to get him out. Fortunately, avoiding accidents like this is easy. Simply turn off the power to your cornpicker before servicing it in any way!

The gathering mechanisms on corn combines do not become plugged as easily as those on cornpickers. Nevertheless, corn combine operators also run the risk of losing hands, arms, or feet if they try to unplug the rolls without first turning the machine off. Most combine injuries occur when clothing, fingers, hands, or legs are caught in the many exposed belts and gears. These accidents usually result in burns and severe cuts although amputations also occur. As with the cornpicker, shut your combine completely off to avoid injury whenever you leave the operator's platform to make adjustments. If some tasks must be carried out with the machine running, wear clothing that is comfortable but close-fitting. Be especially careful to avoid wearing floppy overalls and loose sleeves and cuffs.



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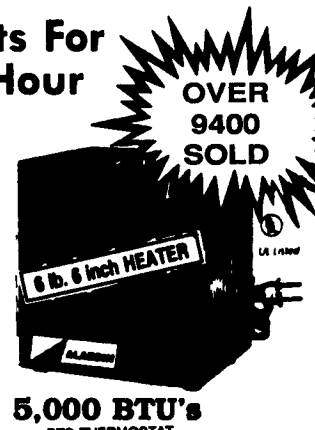

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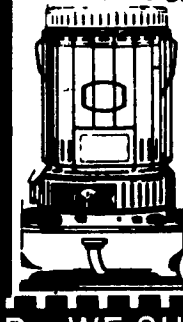

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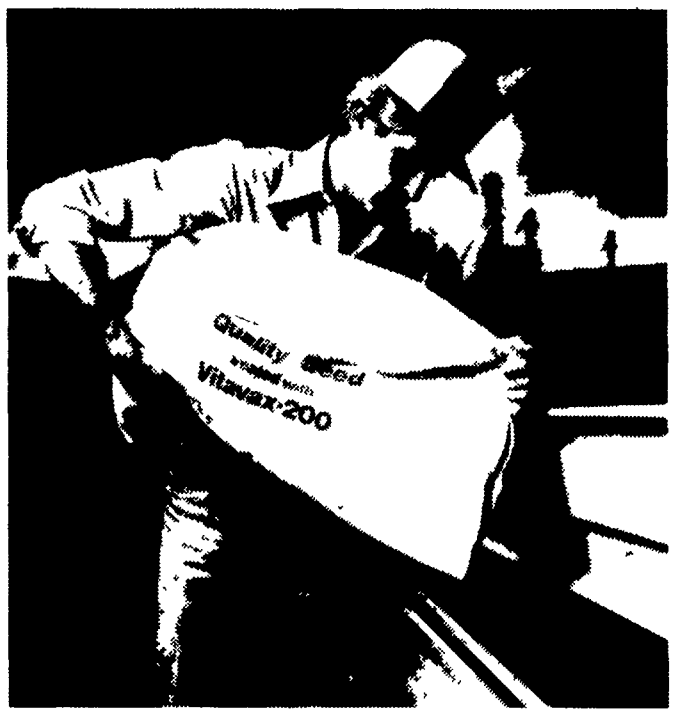

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Winegard Praises Maryland Conservation Programs

Saying that there has been "a major evolution in the attitude of Maryland agriculture toward water quality issues," State Senator Gerald Winegard praised several successful conservation programs during a recent appearance at the University of Maryland at College Park.

Sen. Winegard, D-Anne Arundel, took special note of two programs: the Maryland Agricultural Cost-Share Program, which encourages farmers to implement best management practices (BMPs), and the Agricultural Land Preservation Board's protective easement program.

Maryland has distributed $16.6 million of the $27 million allocated for the best management practices program, Winegard said. The Soil Conservation Service estimates that the program saves 379,536 tons of Maryland soil per year. Soil loss not only diminishes agriculture productivity but also impairs the Chesapeake Bay's water quality.

"Kent County (on Maryland's Eastern Shore) leads the way, having 698 of the 3,873 approved projects," he noted.

Winegard said that 11,735 acres of farmland - the most ever for one year - were placed under development-prohibiting protective easements during 1987. However, Maryland lost 44,000 acres of farmland to development that year. Still, as of July 1987, the program had protected more than 60,000 acres at a cost of $8 million.

Winegard, a member of the Interstate Chesapeake Bay Commission, said Maryland's Critical Areas Law plays a crucial role in reaching the 40 percent nitrogen/phosphorus Bay reduction goal. He said the law requires that all farms within the critical area (all land within 1,000 feet of mean high tide line or wetlands) have a soil and water conservation plan approved by the local Soil Conservation District and implemented by May 1991.

Winegard also noted that Maryland's Agricultural Water Quality Management Program, approved by the Environmental Protection Agency in 1987, calls for similar plans within 5 years for farms within priority watersheds and for all Maryland farms within 10 years.

Winegard stressed that meeting the 40 percent reduction goal "involves all Marylanders." He said phosphorus can be removed "relatively cheaply" from sewage treatment plant discharges. But reducing nitrogen loss from treatment plants and from agriculture is more expensive because of nitrogen's water solubility.

Winegard, 44, was elected to the House of Delegates in 1978 and became a state senator in 1982. He is chairman of the Senate's Chesapeake Bay Subcommittee and teaches "Chesapeake Bay - A Public Policy Perspective" for the University's Marine-Estuarine Environmental Sciences program. Winegard made his remarks on "Policy Making for the Chesapeake Bay" to the University's student chapter of the Soil and Water Conservation Society.

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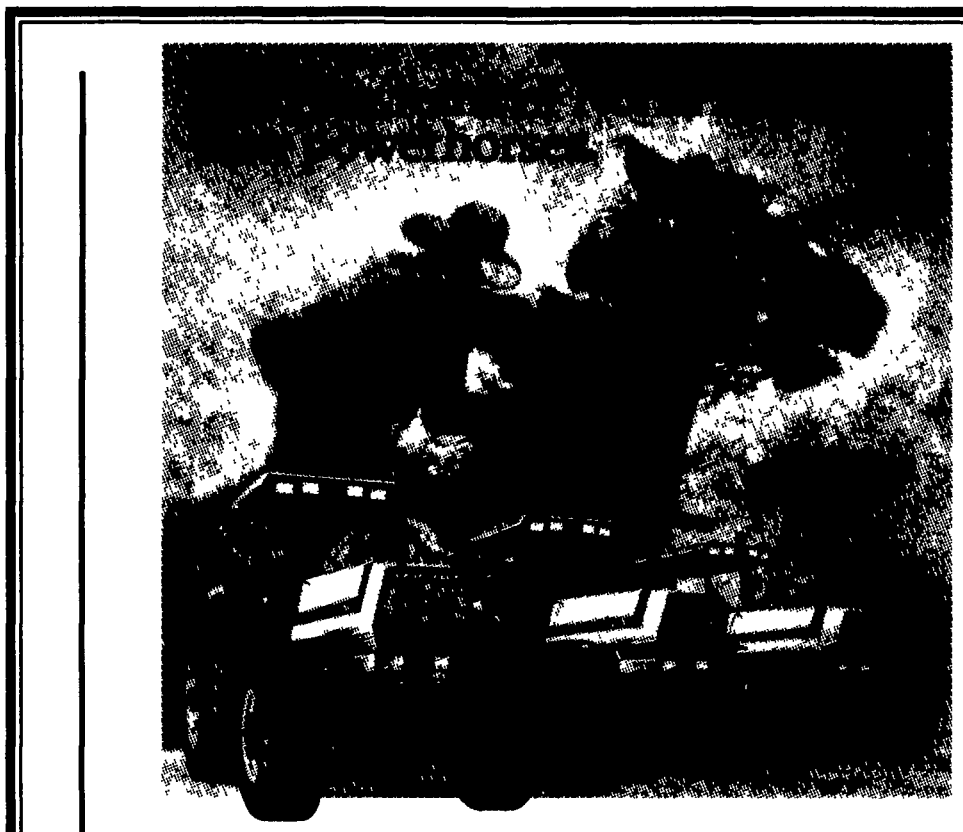

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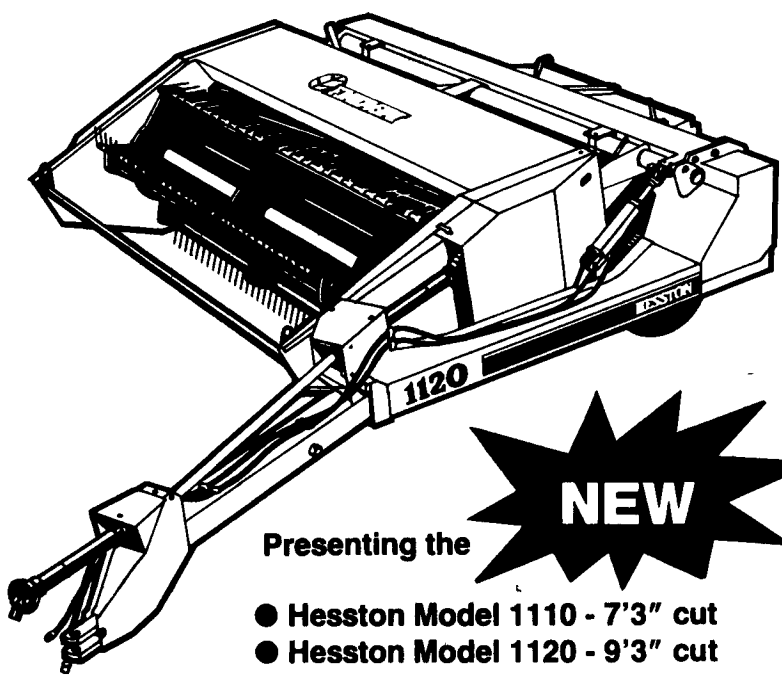

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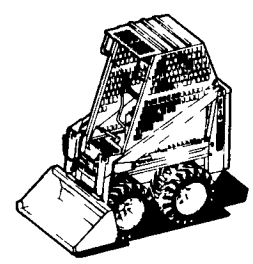

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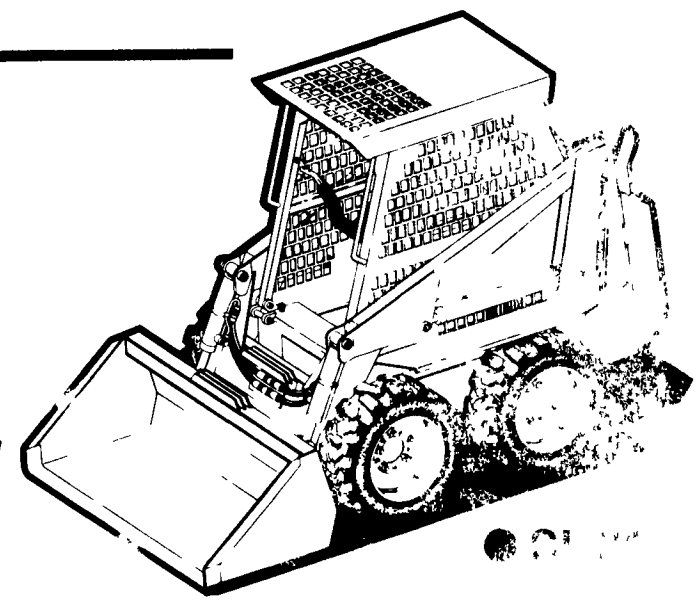

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dhia Monthly Report

Pennsylvania Dairy Herd Improvement Association

OCTOBER 1988

ROLLING HERD AVERAGE

Name	Breed	No. Cows	% Days In Milk	Lbs. Milk	Fat
Lynn & Margaret Neer	H	74.1	89.8	24,457	885
Vern-Lee Holsteins	H	52.7	88.4	22,200	822
David R Spicher	H	84.7	90.8	20,791	785
Paul J Zook	H	51.6	88.3	21,685	779
John & Saloma Byler	H	42.6	86.8	21,813	768
Mark S. Yoder	H	85.7	86.8	19,944	761
Lowell J Peachey	H	58.4	86.9	21,168	759
Paul H. Yoder	H	61.0	89.2	20,321	749
John K. Kauffman	H	77.1	90.3	20,666	748
John B. Peachey	H	76.1	89.1	19,291	746
R. Glenn Yoder	H	77.1	86.5	19,014	746
Charles L. Forgy	H	64.8	88.6	19,348	740
J. Loren Yoder	H	42.3	88.3	18,995	730
David C Yoder	H	57.5	85.5	19,267	727
David W Yoder	H	82.2	88.4	19,634	726
David T Hostetler	H	37.3	89.0	19,128	724
John L King	H	48.0	88.0	19,331	722
Peachee Farms	H	71.0	88.3	19,376	722
Joseph N Peachey	H	39.3	87.7	20,007	717
James G. Laughlin	H	42.7	90.1	18,903	717
Darren L Peachey	H	46.8	86.5	19,789	715
Jesse L. Spicher	H	38.5	86.0	18,733	714
Kore J Peachey	H	57.6	88.7	19,495	712
La Fay Farm	H	45.4	87.2	19,669	710
G Sheldon Peachey	H	59.9	89.4	19,636	711
Louis S Peachey, Jr.	H	58.5	84.1	18,212	709
J Irvin Zook	H	44.3	86.9	18,735	704
Elmer S. Peachey	H	58.9	88.6	19,994	704
Davie J. Ruth Peachey	H	51.5	87.3	19,168	701
Marvin R. Kanagy	H	40.8	87.5	18,916	700
Nathan & Mark Peachey	H	103.8	90.6	18,181	693
James H. Allison	H	57.2	86.2	20,461	692
Merle E. Yoder	H	37.2	91.4	19,081	691
Frank J Hartzler	H	60.3	89.3	18,216	691
Byler Brothers	H	85.5	88.9	18,377	690
Robert Stayrook	H	33.9	88.1	18,607	683
Joseph E. Kurtz, Jr.	H	43.0	86.4	19,051	682
James L Hostetter	H	48.6	92.0	17,077	681
Dry House Farm	H	95.9	86.0	18,503	674
Louis S. Yoder	H	60.8	86.9	18,341	674
J Elrose Glick	H	30.4	89.5	17,805	669
Aquilla I. Yoder	H	81.8	90.6	18,424	669
Ed Glick	H	38.8	87.3	18,168	668
Hollo-Home Farm	H	59.2	87.2	18,155	667
Raymond S. Hostetler	H	40.5	88.5	18,030	666
Sam K Kauffman	H	40.3	81.8	18,270	666
Leroy & Rod Kauffman	H	61.0	87.2	18,664	665
Edwood R Byler	H	30.6	87.3	16,849	663
Enos J Kurtz	H	32.1	86.6	18,084	662
John A Yoder	H	40.5	89.8	18,400	656
L J Dunmire, Sons	H	98.9	87.9	18,490	656
Ervin T Hostetler	H	29.7	84.5	17,550	656
Steven N. Peachey	H	37.2	92.2	18,204	656
Robert L Kauffman	H	29.8	86.9	18,467	654
Ellinger Brothers	H	114.4	87.4	17,206	651
Jeff Ranck	H	57.3	89.5	20,032	650

LACTATIONS

Peachee Farms				
Sylvia	H	4-05	23,677	874
Bonnie	H	4-03	19,173	878
Paul J. Zook				
Margie	H	5-04	24,215	937
Cathy	H	4-10	21,060	852
Nathan & Mark Peachey				
Linda	H	7-04	25,031	1106
R. Glenn Yoder				
Misty	H	7-02	25,413	879
Deb	H	4-01	22,960	899
Jana	H	4-00	17,827	933
Leon K Donahey				
Kriss	H	4-09	22,207	868
Kore J Peachey				
Edna	H	4-05	24,456	877
David R Spicher				
Verna	H	7-11	20,575	859
Nutmeg	H	7-01	24,691	931
Donna	H	6-02	28,772	909
Vonda	H	5-02	25,798	960
Elsie	H	5-00	26,888	1171
Sprite	H	5-00	28,549	975
Saphire	H	3-03	21,616	852
Frank J. Hartzler				
Becky	H	4-02	23,336	899
John B. Peachey				
#12	H	5-08	20,860	871
Dry House Farm				
#556	H	6-06	21,981	941
#580	H	6-00	22,039	975
Ellinger Brothers				
#6	H	9-06	25,879	1010
#124	H	5-04	23,687	890
#126	H	6-02	24,073	1025
J. Irvin Zook				
Blacky	H	4-08	26,242	857
Paul H. Yoder				
Hazel	H	7-00	24,357	868
Angie	H	5-08	26,849	979
Enid	H	5-02	27,777	930
Ed Glick				
Chief	H	6-07	18,840	859
Aquilla I Yoder				
#49	H	6-04	21,457	908
#24	H	4-03	25,985	904
A. Fred King				
Matty	H	7-04	24,579	879
Elwood R. Byler				
Apollo	H	6-08	20,168	927
Jenny	H	4-04	21,679	915
Elmer S. Peachey				
Gladys	H	3-09	24,777	998
Diane	H	3-01	24,969	1010
Cas Stead Farms				
#172	H	9-01	21,119	892
Byler Brothers				
#36	H	6-05	22,705	919
John & Saloma Byler				
Wildcat	H	3-02	29,645	917
Joseph N. Peachey				
#54	H	6-03	22,435	921
David J. Ruth Peachey				
#23	H	9-08	28,424	952
Lynn & Margaret Neer				
#148	H	7-03	26,478	879
#51	H	1-11	26,795	1033
#15	H	3-09	24,526	940

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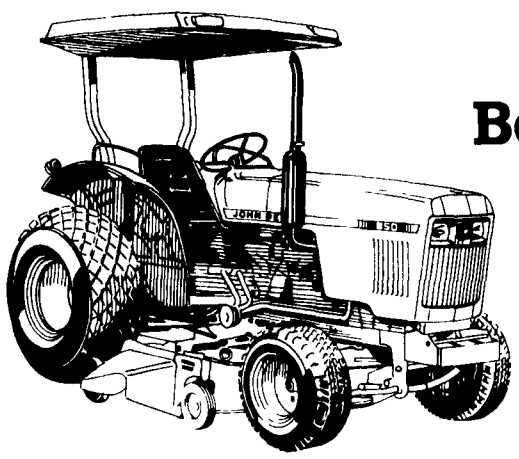
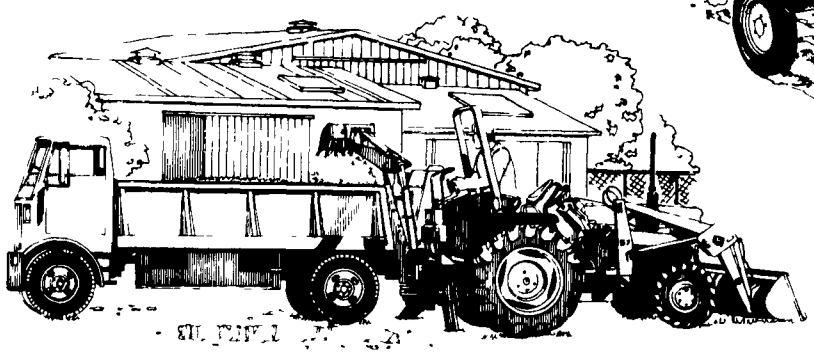
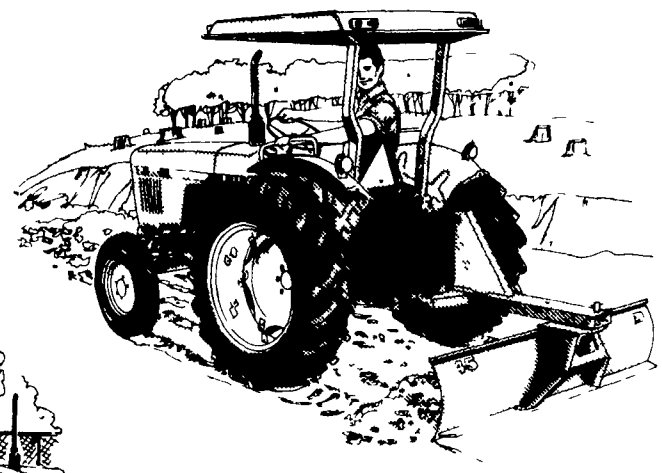


JD 850 4WD w/Mid Mower



JD 750 w/#7 Backhoe w/#67 Loader



JD 950 4WD w/45 Rear Blade

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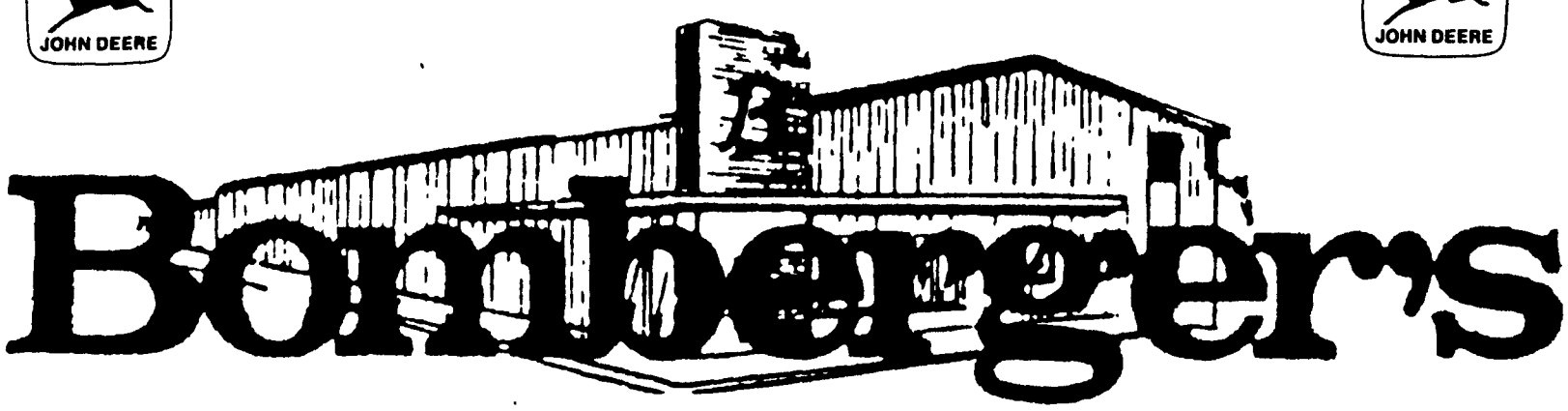

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Agricultural Department Undertakes Farm Show

DOVER, DE — The Delaware Department of Agriculture's Marketing and Product Development staff has plans to attend 10 major food and agriculture trade shows between now and April '89 in its continued effort to increase marketing opportunities for Delaware producers.

Marketing manager Bill Sammons said trade shows are one of the most effective and cost efficient ways to increase Delaware's visibility in national and foreign markets.

"It's an inexpensive way to meet large numbers of buyers face to face," he said, adding that the cost of making three or four sales calls to regional buyers probably would surpass the cost of meeting hundreds of national buyers at one trade show.

As an example of the sheer masses reached, Sammons cited the annual Produce Marketing Association Trade Show. Nearly 4,000 people attended last year--5 to 10 percent of them were buyers.

Marketing staffers have a variety of exhibits they use depending upon the trade show audience, and take with them promotional materials and literature such as trade directories to distribute.

Delaware growers, producers and manufacturers also are encouraged to accompany them whenever possible. In many cases trade show costs such as registration and booth rentals are shared by the department and private companies who directly benefit from attendance.

"We don't have the budget to go to this many shows without the cost-share policy," Sammons said.

What are the payoffs? One year, Delaware's Walter Melon, a mascot for statewide watermelon promotions, made the cover of The Packer, a weekly newspaper with national distribution. This year, the Laurel Auction Market drew around 30 additional buyers to "The Block" because of appearances made at trade shows last year. And, most impressively, marketing specialists have returned from shows with product orders in hand for various Delaware companies.

"It's unusual for a state our size to be that aggressive at these shows. We're right up there with the big guys like the Idaho Potato Commission and the Washington State Apple Growers. But we think it's important to attend a lot of the major shows year after year to maintain our image and a high profile."

Attached is a list of the food and agriculture trade shows the Marketing Section will attend this fiscal year. Also included is information on what product is being marketed, audiences, and whether or not growers or producers can attend. For more information about any of the trade shows, contact Bill Sammons at 736-4811 or 1-800-282-8685.

Feb. 12-14- **United Fresh Fruit and Vegetable Association,** New Orleans, La. Fresh fruits and vegetables. Audience: national wholesale and terminal market buyers. Growers and brokers will be invited to attend.

Feb. 21-23- **Mid-Atlantic Direct Marketing Trade Show,** Lancaster, Pa. Any commodity directly marketed by the grower. Show includes educational workshops and seminars for direct marketers. Audiences: regional wholesale and retail buyers. Delaware direct marketers will be invited to attend.

March 17-18- **Delaware Ag Week,** Dover Mall, Dover, Del. All commodity groups and agricultural-related organizations are invited to exhibit to celebrate National Ag Week. Sponsored by the Delaware Department of Agriculture and the Dover Mall.

March- **Canadian Trade Show,** dates and other information have not yet been confirmed by organizers.

April 12-16- **Puerto Rico Food and Equipment Show,** San Juan, P.R. This is a joint marketing effort of the Delaware, Maryland and Virginia departments of agriculture. Companies from all three states will be invited to send information and sample product to the show.

April 23-25- **Philadelphia Restaurant Food Show,** Philadelphia, Pa. Primarily raw food products. Audience: restaurants looking for suppliers.

May 15-17- **National Association of State Departments of Agriculture Trade Show,** Boston, Mass. A biennial show primarily for food processors looking to export. Audience: international food buyers. The Department has a 14-booth pavilion reserved for Delaware producers. Eleven of the booths already have been booked. Exhibitors will be expected to attend.

Annual Corn, Soybean Conference Set

COLLEGE PARK, MD — If you're a crop farmer interested in marketing, soil and nutrient management, alternative crops or coping with drought and mycotoxins, the 1989 Delmarva Corn and Soybean Technology Conference promises useful information.

Next year's ninth annual educational meeting and industry display is scheduled February 8 at its usual location -- the Wicomico Youth and Civic Center in Salisbury, on Maryland's lower Eastern Shore.

More than 1,200 persons are expected to attend the day-long event, according to W. James Milliken, planning committee chairman. Milliken is an Extension agricultural agent in Kent County, Md.

The conference is sponsored each year by agribusiness firms serving the Delmarva area and by the Cooperative Extension Service at the University of Delaware, University of Maryland and Virginia Tech.

Activities at the February event will get under way at 8:30 a.m. with free coffee and doughnuts and a chance for farmers to visit more than 50 commercial and educational exhibits. The program itself will run from 10 a.m. to 2:30 p.m., with an hour off for lunch.

Noon lunch tickets must be purchased in advance. They will be available soon at $3 apiece from county offices of the Cooperative Extension Service throughout the Delmarva area. Only a very limited number will be available at the door on the day of the meeting.

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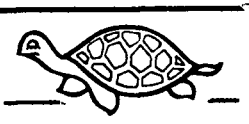

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Staubach To Address National Corn Growers

ST. LOUIS, MO. — Roger Staubach, former star quarterback for the Dallas Cowboys, will be one of the keynote speakers at the 1989 National Corn Growers Association's Corn Classic.

Staubach will address Classic attendees at the general session scheduled for Monday morning, February 27, where a record crowd of more than 2,000 is expected.

The 31st annual NCGA Corn Classic is set for February 26-28 at Stouffer Nashville Hotel and Convention Center in Nashville, TN.

Staubach is expected to share some of the personal and professional challenges with which he has been confronted, and how he turned those challenges into opportunities.

He has been recognized as a leader on and off the football field since he was a midshipman at the U.S. Naval Academy in Annapolis, MD. In 1963, Staubach was named the recipient of college football's top honor, the Heisman Trophy. He became the first athlete ever to win the Maxwell Award in both college and pro football, and was a two-time consensus All American at Navy.

As a Dallas Cowboy, he led the team to four Super Bowls.

At present, he is president of The Staubach Company, a diversified commercial real estate company headquartered in Dallas.

"We're pleased to have such an outstanding person kickoff our 1989 Corn Classic," says Jim Hoeft, chairman of the event.

Hoeft anticipates the largest trade show ever and a record attendance at the Corn Classic. "If a corn grower could attend only one meeting in 1989, the Corn Classic should be the one," Hoeft adds.

Although the Classic officially opens on Sunday, February 26, the first 1,000 people who register by January 16 will receive a free ticket to the Grand Ole Opry for the February 25, Saturday night performance.

For Corn Classic registration and hotel reservation form, contact Patricia at the National Corn Growers Association, 1000 Executive Parkway, Suite 105, St. Louis, MO 63141 (314/275-9915).

PSU Animal Disease Lab Renamed

UNIVERSITY PARK (Centre) — Penn State's Animal Disease Laboratory has been renamed the Animal Diagnostic Laboratory. The new name does not indicate new responsibilities but more accurately describes the laboratory's responsibilities.

The lab has always diagnosed both diseases and production failures of birds and mammals, according to Dr. Thomas Drake, extension veterinarian for the laboratory. The new name better represents the laboratory as a resource for veterinarians, extension agents, producers and others who need questions answered about disease and production problems.

Drake says that poultry and livestock—cattle, swine, sheep and goats—make up the majority of cases they receive. The laboratory also works with horses, cats, dogs and even wild animals such as raccoons and deer.

The Penn State lab is one of three diagnostic laboratories for mammals and one of four labs for birds in Pennsylvania. The other mammal labs are in Summerdale near Harrisburg and Kennett Square in Chester County. The other bird labs are in Delaware Valley, Summerdale, and Kennett Square.

Laboratory staff members perform tests for bacteria, virus, parasites, nutrition, toxins and many other animal health factors. They make diagnoses with appropriate animal samples and perform autopsies when needed.

The veterinary staff handles calls during regular weekday hours. A cooler to receive carcasses and specimens is open 24 hours. Cards are available to tag carcasses and specimens. The lab is located on Orchard Road near the DHIA Milk Testing Lab.

The laboratory is supported by Penn State and the Pennsylvania Department of Agriculture. Most fees for single services are under $25, depending on the type of service provided and the species and size of the animal.

For a fee schedule and test directory, call the Animal Diagnostic Laboratory, (814) 863-0837. This schedule lists many of the tests that the lab performs and specifies what animal samples to send, how to send samples and which tests are done by referral. This information also is available on the College of Agriculture's electronic information system, PENpages, under the title "Veterinary Diagnostic Investigation Center," page 0980110.

Delaware Vegetable Growers To Meet

NEWARK, DE — The eleventh annual meeting of the Vegetable Growers Association of Delaware will be held on January 12 and 13, 1989, at the Sheraton Inn, Dover. Co-sponsoring the meetirg are the Delaware Potato Growers Association, the Delaware Direct Market Association and University of Delaware Cooperative Extension.

Featured speakers at this year's meeting will include Pieter Westerbeek, county agent from Sampson County, N.C. Mr. Westerbeek will describe the vegetable region he works in as well as several new production techniques in transplant production and pepper production.

In another presentation, an innovative farmer from Eden, N.Y., Bill Zittel, will share some of his production and marketing strategies. He grows a wide range of processing and fresh-market crops and markets them in a variety of ways.

The two-day meeting will include sessions on direct marketing, processing crops, potatoes, general vegetable production and farm labor housing. In addition, many timely production recommendation updates will be presented.

Thirty exhibitors will be on hand with displays of the latest in seed, chemicals, packaging, irrigation equipment and vegetable products.

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Blueberry Hill Farm, Hanover, PA
Clarence Burkholder, Myerstown, PA
Luke Burkholder, Lititz, PA
Frank B. Cooper & Sons, Lambertville, NJ
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Hazelton Research Products, Denver, PA
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Paul H. Martin, Ephrata, PA
David Rice, Kempton, PA
Jim Rodichok, Tower City, PA
George Rohrer, Lancaster, PA
Paul Sauder, Lancaster, PA
Max Spann, Washington, NJ
Strockland Farms, Mechanicsburg, PA
John Stump, Bernville, PA
Tri-Farms, Inc., Andover, NJ
Charles & Kate Tweedy, Moorestown, NJ
Paul Van Grouw, Andover, NJ
Westby Corporation, Andover, NJ

To these and many other farmers, we say thank you and we wish you a very prosperous year in 1989.

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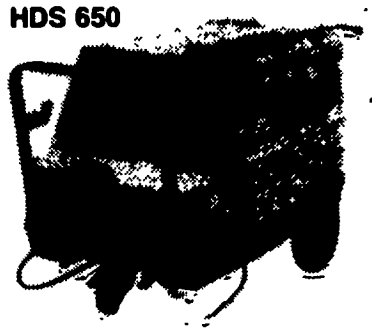
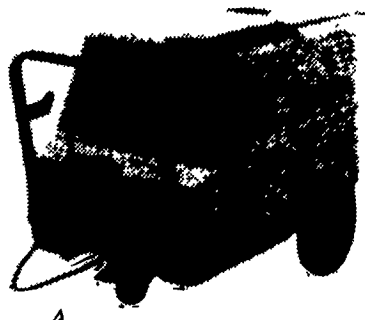
HDS 650



1000 PSI

Three Phase

HDS 890



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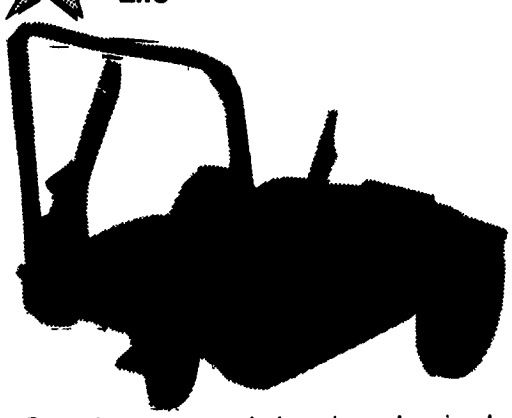
- Special ECS Safety System with indicators on control panel for inhibitor, motor overload protection and low fuel supply.

Long Operating Life



- One piece stamped chassis, galvanized, phosphatized and plastic coated.
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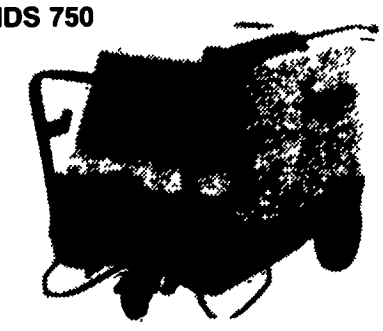
- Impact resistant fiberglass cover lifts for easy access to machine's inner componants.

HDS 750



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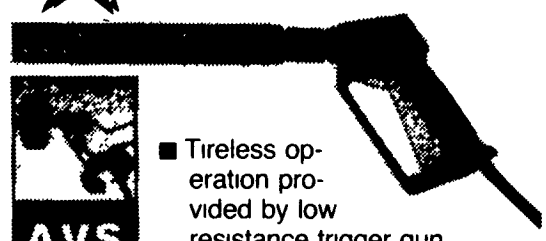
Comfortable Operation



AVS

- Tireless operation provided by low resistance trigger gun and patented AVS Anti-Kink-System with rotating high-pressure hose and spray wand from the most advanced ergonomic technology (Patent No DE 3407744-HDS 650/750). Comfortable to work with, no kinking of the high-pressure hose

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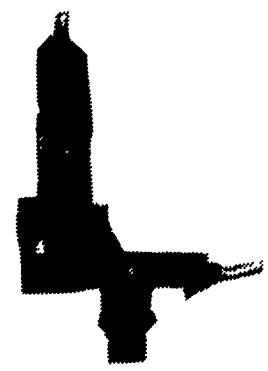
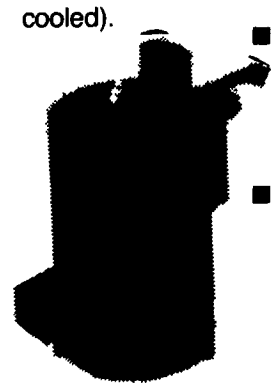
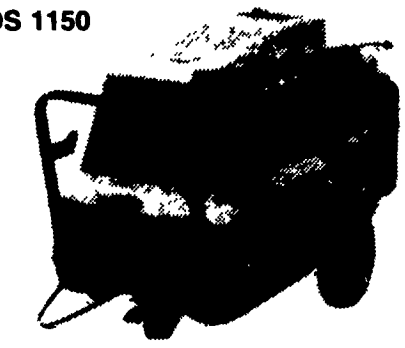


- Complete trigger gun control, when trigger gun is released pressure switch automatically shuts off unit.
- 24-volt safety circuit in the unit for maximum protection.
- Compact direct drive axial piston pump and blower, for higher efficiency.
- Patented, water cooled electric motor preheats water for maximum efficiency (Patent No. DE 3001751; HDS 650 air cooled).



- Vertical heater coil for condensation-free heating comes complete with a 2-year warranty.
- + 90% fuel efficient burner system provides maximum fuel savings. Smoke-free constant ignition reduces exhaust gases.
- Infinitely variable operating pressure and water volume for further savings.

HDS 1150



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- Simple adjustment of chemical concentration in the spray

No waste of chemical!

Low Maintenance and Service Costs

- Built-in inhibitor system standard on all HDS machines.
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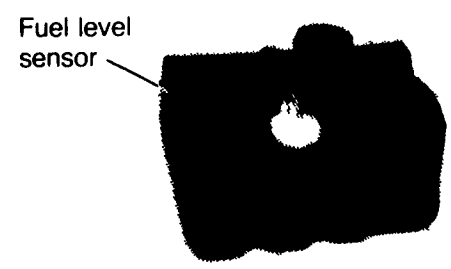

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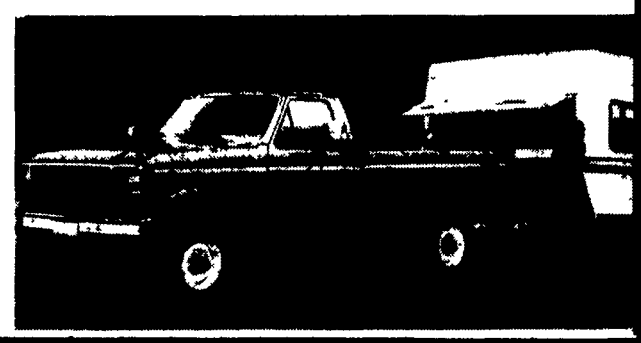

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HERD PRODUCTION RESULTS

	Master Mix
Date	April, 1988
Number of Lactating Cows	52
Production/Cow/Day	58
Butterfat Test	3.88

When John Rhoades and his sons in Ligonier switched to Master Mix ProTek two years ago, the largest improvement they saw was in butterfat. They're getting six extra points, which makes for a nice bonus on the milk check.

Says John, *"Since going to Master Mix ProTek 1785 complete feed, I know we are putting more money in the bank."*

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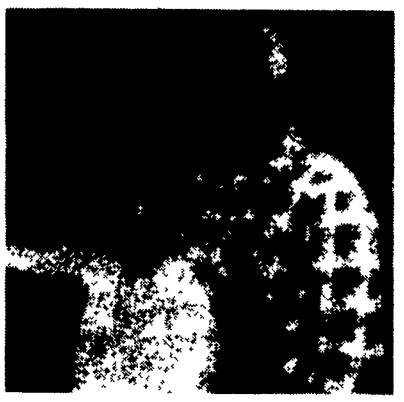
"...Along with feeding less protein, our herd average and fat increased significantly."



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HERD PRODUCTION RESULTS

	Master Mix	Past Program
Date	April, 1988	May, 1985
Number of Lactating Cows	87	64
Production/Cow/Day	45	39
DHIA Rolling Herd Avg.	14,089	12,328
Butterfat Test	5.0	4.9

Robert and Helene Dreisback found Master Mix ProTek reduced their feed cost while boosting milk production by six pounds a day for their 87 cows.

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MILKING RATION PROGRAM
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Mixed herd averages of 22,148 pounds milk for Holsteins and 14,100 for Jerseys on Master Mix Protek®

RODNEY RANKIN AND SON JASON
Burgettstown, Pennsylvania

Rodney and Jason Rankin milk 22 Holsteins and 22 Jerseys. They credit Master Mix ProTek 25 for their increased production. Master Mix cobactins, a microbial feed additive, also helps the Rankin herd stretch for higher production.

Rodney says, *"We started feeding Master Mix ProTek 25 three years ago and have been increasing our production ever since. Master Mix ProTek helps keep cost in line, while we work for higher production. Six months ago I tried a conventional 38% concentrate. In three days we saw a drop in milk and test, so we're back to Master Mix ProTek to stay."*

"...we're back to Master Mix ProTek to stay."

ROUGHAGE PROGRAM
Hay
Corn Silage

MILKING RATION PROGRAM
Shelled Corn
Master Mix ProTek 25% HI-Fat

HERD PRODUCTION RESULTS

	Master Mix Holsteins	Master Mix Jerseys
Date	April, 1988	April, 1988
Number of Lactating Cows	22	22
Production/Cow/Day	70	44
DHIA Rolling Herd Avg.	22,148	14,100
Butterfat Test	3.6	5.0

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Cattle Producers Should Watch For Lice

BY L.J. HUTCHINSON
Penn State University

UNIVERSITY PARK (Centre) — There are normally five different species of lice that can attack cattle in North America. The four blood-sucking lice are the little blue louse, the longnosed louse, the shortnosed louse, and the cattle tailed louse. These lice are considered to be the most economically damaging to cattle because of the health problems they can cause. The cattle biting louse is a chewing or biting louse and is not considered to be as a great a problem because it does not suck blood.

Lice are host specific, spending their entire life on their specific specie of animal. Lice are generally spread from animal to animal by direct contact, the most common means of transmission being from cow to calf. Fall or early spring calves are unthrify cattle usually having the heaviest lice infestations. These cattle are usually in poor condition with rough, patchy haircoats that have a dirty appearance. Heavy lice infestation can cause severe blood loss of the host animals which can cause reduced weight gains, lowered vitality, disease resistance and milk production. Cows may abort due to louse-induced anemia.

Cattle are most susceptible to lice during the winter months. During the cold weather, the time it takes for the eggs to hatch and grow into adults is three to four weeks. This cycle is slowed down with warmer temperatures. The maximum life for lice is approximately 45 days.

The preferred sites for lice are the base of the tail, shoulders, and the back. When infestations are heavy, lice populations can cover the whole body. Lice live on the surface of the skin and can be seen with the naked eye. To determine the intensity of infestation, look in several different areas by pulling back the hair with both hands. Look for movement on the skin or the eggs which attach to hairs close to the skin. These are seen as small white dots. More evidence of lice is a crusty scale which biting lice produce.

Generally, animals in good condition will not carry a heavy infestation of lice. Organophosphate compounds and ivermectin are available and can be used to control lice as well as other parasites. Check labels when using on lactating and nonlactating cattle. Dust bags with back rubbers can be used for preventative measures rather than control. For heavy infestations, dusts and sprays can be used over the whole body. Since the eggs are not killed by these compounds, treatment should be repeated in two weeks.

Limousin Group Publishes Sire Summary, Dam Trait Leader List

DENVER, CO. — The North American Limousin Foundation has recently completed the fifteenth edition of the Limousin Sire Summary and the second edition of the Limousin Dam Trait Leader List. Both listings evaluate cattle in each of the four traits evaluated by NALF with Expected Progeny Differences. The traits listed are birth weight, weaning weight, yearling weight, and milking ability.

Both lists have specifications which must be met in order to make the listing. There are approximately 200 cows listed in each of the four traits in the Dam Trait Leader List and approximately 75 in each trait for the Sire Summary, with about 1100 bulls listed in the general listing.

Both the Sire Summary and the Dam Trait Leader List are available upon request from the NALF office. With the increased use of EPD's both of these tools prove to be in great demand. EPD's are available on all cattle registered by NALF including those animals with lower accuracies. Contact the NALF office at P.O. Box 16767, Denver, CO 80216 or call 303/296-8835 for your copies of the Sire Summary and Dam Trait Leader List.

Feeder Cattle Meeting Set For Lancaster County

BLUEBALL (Lancaster) — The Eastern Lancaster County Adult Farmer Program will conduct a meeting to discuss the buying and selling of beef cattle. This meeting will be held on Wednesday evening, January 18, at 7:30 p.m. at the Blue Ball Elementary School. Putting cattle in the feedlot is a little like playing the lottery -- there is a lot of gamble to it, so it should be interesting to hear what the expert predicts for the future.

Reggie Reynolds, executive secretary of the Virginia Cattlemen's Association, will be sharing good information on the selection, buying, and selling of cattle as well as discussing the Tel-o-Auctions and the Satellite/Video Auctions. He will provide some insight into the effort his association makes to assure uniform quality as cattle are grouped for sale and he'll look into his crystal ball to see what is ahead for cattle prices in the next few months and long term.

All interested persons are invited. The Blue Ball School is located ½ mile east of Blue Ball on Ewell Road, between Route 23 and 322. For further information call the Adult Farmer office at 354-4525.

Wool Growers Auxiliary President Chairs Ag Women's Network

DENVER, CO. — Fern Krehbiel, president of the National Wool Growers Auxiliary, was elected first chair of the newly formed Agricultural Womens Leadership Network during a summit meeting in Winrock, Ariz.

"This dynamic group of agricultural women established this organization to promote communication between our groups and to promote women leaders in agriculture," Krehbiel said. "We can positively impact our communities, our nation and our world."

Current issues in agriculture, legislation, communication, politics and networking were all among the topics discussed by participants.

Eleven agricultural groups, including the National Wool Growers Association, participated in a Farm Womens Leadership Summit at Winrock, Ariz. Mrs. Krehbiel and Cindy Siddoway of St. Anthony, ID, attended the sessions representing the sheep industry. Other groups participating were National Rural Electric Association, American Agri-Women, National Cattle Women, Homemakers Council, Farmers Union, American Farm Bureau Federation, Association of Milk Producers, Women Involved In Farm Economics, Pork Council, and the American Feed Industry Association.

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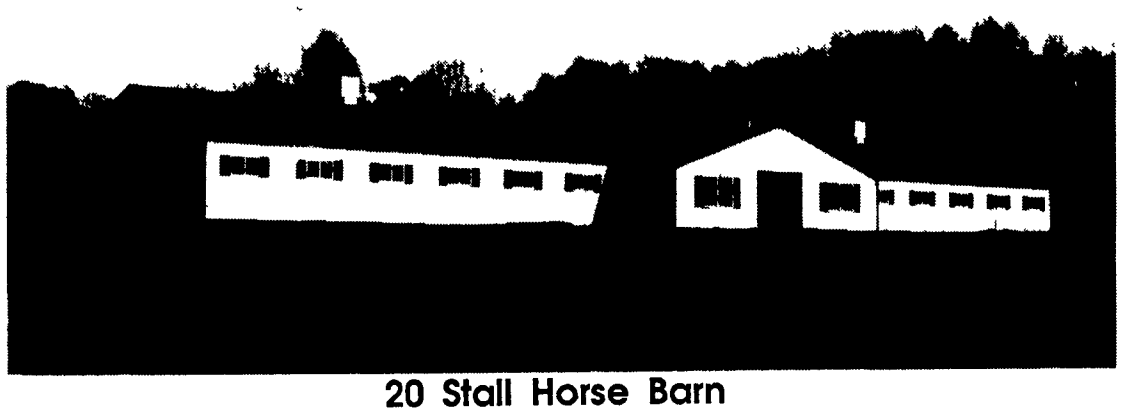

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Convention Promotes Sheep Industry

DENVER, Colo. — Some of the nation's leading experts in lamb, wool, international trade, and marketing will speak during the American Sheep Industry Convention January 18-21 at Bally's in Las Vegas, Nev. Four information sessions will highlight the convention's three main days, January 19-21.

Marketing, feeding and product distribution, management, and wool marketing and processing will key on "Meeting the Challenge," the theme of the 1989 joint convention of the National Lamb Feeders Association, National Wool Growers Association, and American Sheep Producers Council.

"Meeting the Marketing Challenge," at 3 p.m. Thursday, Jan. 19, will feature speakers as Drs. John Allen and Tom Pierson of Michigan State University, as well as a representative of the Pillsbury Co. Speakers will talk about the importance of effective marketing programs, and how to reach the consumer with the most effective message.

At 10 a.m. Friday, Jan. 20 a team of Texas A&M and Colorado State University researchers who offered a popular workshop at the 1988 convention will talk about "Meeting the Challenge in Lamb Feeding and Product Distribution." They will take lamb through product stages to the meatcase, and talk about how and why lamb sells. Dr. Russell Cross and Dr. Jeff Savell of Texas A&M, and Dr. Daryl Tatum of Colorado State University will speak.

Friday afternoon at 3, the information session will be "Meeting the Management Challenge," with Dr. Wayne Purcell of Virgiia Tech, Dr. Charles Parker of Ohio State University, and a panel on the National Sheep Improvement Program.

The final information session, at 10 a.m. Saturday, Jan. 21, will feature a wool marketing panel and Thomas Drummond of the Australian Wool Corporation on "Meeting the Challenge in Wool Marketing and Processing."

Educational sessions will complement opening and closing speakers who will talk on capitalizing on change and on meeting the economic challenge of the 1990s. All information sessions will be held opposite the organizations' annual meetings, and will be open to all interested producers.

In addition, a lobbying workshop will be held from 7-9 a.m. Thursday, Jan. 19, featuring several top lobbyists for the National Wool Growers Association. The session is open to all registered attendees.

For more information, or registration materials, write: American Sheep Industry Convention, 200 Clayton St., Denver, CO 80206.

Veal-Industry Groups Offer Help In Starvation Investigation

MARYSVILLE (Perry) — The Pennsylvania Veal Producers Association strongly supports pending investigations of the reported death by starvation of 49 veal calves and the debilitation of another 15 calves in Granville Summit, Pa., according to association president Ralph Alleman.

"Upon learning of the incident, another producer, working with authorities, took possession of the 15 animals to provide emergency care," Alleman stated.

The association follows the humane production practices contained in the American Veal Associaton's Guide for the Care and Production of Milk-Fed Veal Calves. These guidelines require veal producers to maintain their livestock in good health and to comply with all laws relating to animal welfare.

The individual identified by reports as responsible for the incident is not a member of the Association or the AVA.

"This is not a veal production issue," said Alleman. "It appears simply to be a question of whether existing anti-cruelty laws have been broken."

The Pennsylvania Veal producers Association and the AVA work closely with producers, government agencies, industry leaders and research scientists to eliminate practices which may jeopardize the welfare of veal calves and offers assistance to state authorities investigating the Granville Summit matter.

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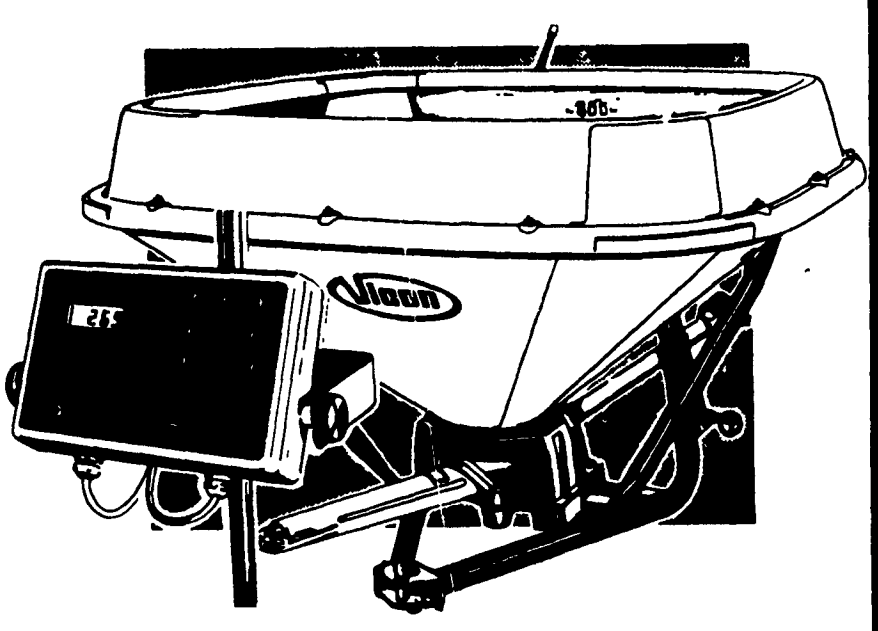

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Pork Board Sets Budget For 1989

DES MOINES, IA — The National Pork Board has evaluated and approved a budget for 1989. The checkoff, which was approved by producers last year, is expected to generate $26 million.

Virgil Rosendale, a producer from Augusta, Ill., and president of the Board, explained that the Board invests checkoff dollars in programs that will help producers get the best return on investment. "We base our decisions on where to put the producer's dollars on input and recommendations from producers. By improving our product through research, educating consumers about today's pork, then promoting pork, the entire pork industry will benefit," Rosendale said.

Under the Pork Act, the law that provides for the checkoff program, the National Pork Producers Council (NPPC) is guaranteed 25% of the checkoff dollars until October 1, 1989. These funds are used in coordination with other checkoff funds for promotions like Pork- The Other White Meat®, research and consumer education.

The Pork Industry Group of the National Live Stock and Meat Board (PIG) will receive 20 percent of the NPPC guaranteed funding through an existing arrangement between the two organizations. PIG funds are utilized primarily in the areas of information and education of health professionals and meat science research.

Approximately 21 percent of the producer funds, $5.46 million, will be returned to the states for their use in promotion, research and education programs. The Board also budgeted $1.2 million for its own operating costs.

The Board approved $14.8 million in discretionary funds for programs to be carried out by NPPC and PIG for various promotion, research and education programs. Nearly $13.6 million of the discretionary funds will be utilized by NPPC in the areas of promotion, research, education, foreign market development, and producer communications, including $7.5 million for pork advertising. Pork - The Other White Meat® advertising will appear on television in approximately 20 major metropolitan areas and in nearly 30 national magazines. In addition, more than $2 million has been earmarked for retail merchandising programs designed to increase pork's space in the meatcase.

The PIG will use nearly $1.2 in discretionary checkoff dollars for consumer information, education, nutrition research and new product development programs to enhance pork's position as a healthful, nutritious and tasteful source of protein.

Glenn Grimes, University of Missouri agriculture economist, estimates that demand for pork increased approximately 3 percent in 1987 and has increased an additional 3-4 percent in 1988. Programs funded by the checkoff, according to Grimes, may be partly responsible for that apparent increase in demand.

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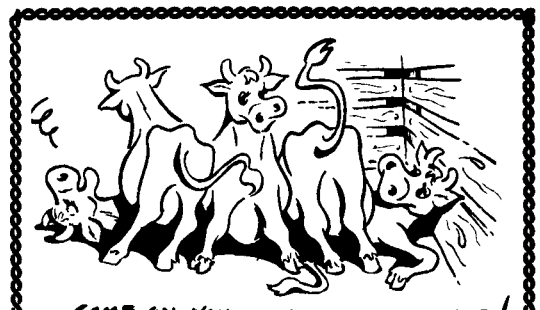

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- Spring syringe with 25 disposable tips
- Complete Instructions

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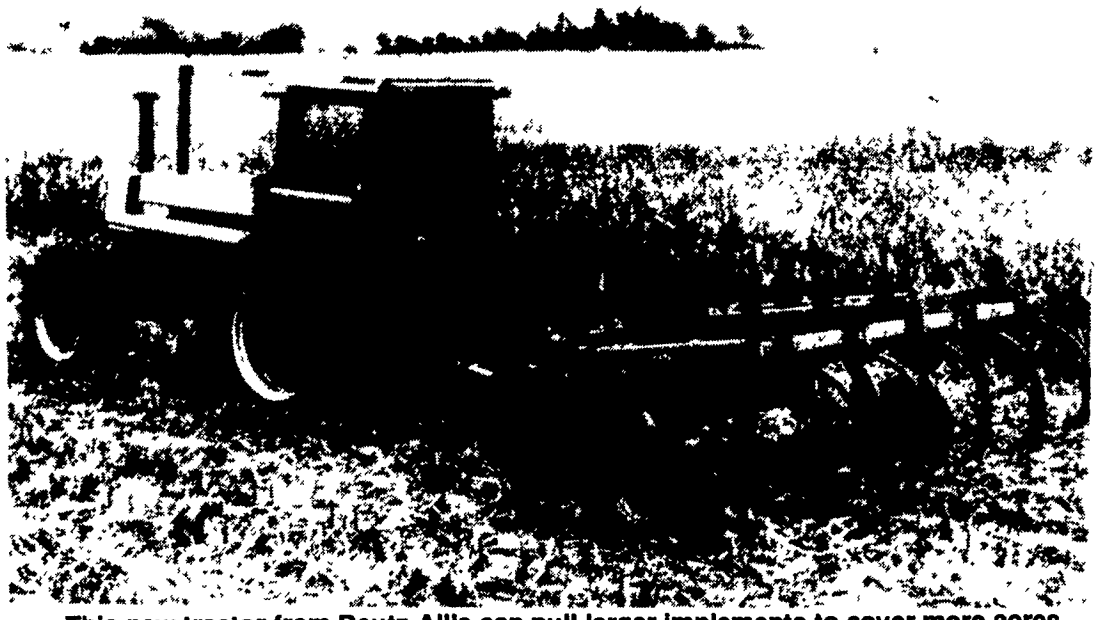


This new tractor from Deutz-Allis can pull larger implements to cover more acres per hour or can link implements to perform multiple operations in one pass.

Deutz-Allis Launches Tractor Line

ORLANDO, FL — The new Deutz-Allis 9100 Series tractors occupied center stage at their debut to North American farmers and farm equipment dealers here.

Deutz-Allis Corporation is introducing the three new tractor models in the series, ranging from 150 to 193 PTO horsepower, for availability in late spring 1989.

"These new tractors meet grower demands for larger tractors equipped with the Deutz-Allis air-cooled diesel engine," said Bill Templeton, Deutz-Allis vice president of marketing.

The world-famous Deutz engine combines performance, reliability and low maintenance cost. Instead of using air to cool liquid which has absorbed engine heat, air-cooled engines rely on a powerful axial-fan blower to force a current of air around each cylinder and head -- a much more direct, efficient system of cooling.

"This is proven technology and it's very well-suited for the heavy fieldwork now being required of the North American farmer of the 1990s'" Templeton said. "With the 9100 Series tractors, farmers can pull larger implements to cover more acres in an hour or link implements to perform multiple operations in one pass."

More than 2,000 people gathered for the tractor introduction and dealer event.

At an outdoor tractor driving range, dealers and farmers took the opportunity to give the new tractors a working inspection.

They not only previewed the new equipment, but also got the details on new extended warranties for Deutz-Allis tractors (4 years/4,000 hours), **Gleaner** (5 years/5,000 hours).

New hay tools, a new 12-row planter, a new corn head for **Gleaner** combines and other new products were spotlighted as well. Marketing and product seminars suplied dealers with a wealth of useful information for customer service. Nationally known speakers, including **Farm Journal** economist John Marten, addressed the gathering.

Dealers also were able to talk with Robert J. Ratliff, the new president of Deutz-Allis; Siegfried Barschkett, chairman of the board for Deutz-Allis and president of KHD worldwide farm equipment operations; and other members of the company's top management team.

"Our dealers were given the chance to hear and comment on the new directions and strategies that will guide our company's growth in the coming era of renewed profitability in agriculture," Templeton said. "Now that the time is right, we're ready with the equipment farmers will need to operate more efficiently -- and profitably -- than ever before."

BUSINESS NEWS...

Swope Joins Star Silo

Bob Burbaker, right, recently welcomed John Swope to Star Silo as a salesman. Swope, who has 28 years of experience in silo construction, is rejoining the company after an 11-year hiatus. He territory will include Lebanon, Lehigh, Berks, and Dauphin counties and other areas to the east and north.

Star Silo has acquired the entire inventory of Jamesway parts and looks forward to giving quality Jamesway Service. Star also will continue to carry a complete inventory of Vandale parts.

DeKalb-Pfizer To Use Biodegradable Seed-Bag Liners By 1990

DeKALB, IL. — One of the nation's leading seed producers, DeKalb-Pfizer Genetics plans to use a biodegradable, plastic liner in all its seed bags by 1990. Concern over the environment, particularly the disposal of solid waste, inspired company officials to take a leadership role in the use of the material. The corn-based plastic will increase demand for corn and help use the U.S. grain surplus.

Demand for this plastic is high,but availability is limited. For that reason, Dekalb-Pfizer used the material in only 30,000 bags in 1989. In 1990, however, the company plans to use the plastic in four million or more seed bags.

Environmental stewardship, notes Harry McKee, eastern area production manager, is the primary reason for the switch to biodegradable plastic. "Since the other layers of the bags are made of paper, we will be using a nearly total biodegradable container," he says. "That's a significant contribution to efficient waste management." Company officials hope their action will encourage other companies to take similar steps.

This biodegradable plastic liner will be inserted in all of DeKalb-Pfizer's seed bags by 1990. The liner will make the bags almost entirely biodegradable.

Quality of the plastic -- in terms of strength and effectiveness as a vapor barrier -- compares very favorably with plastics used in the past. McKee notes. Interest in this product, he adds, is growing nationwide, and its use in a wide variety of containers is expected to increase.

The use of a product manufactured from corn is important to DeKalb-Pfizer customers, most of whom are corn producers, observes McKee. "Incorporating the corn-based plastic into our packaging demonstrates to our customers that we have an active interest in using new corn products and protecting the environment."

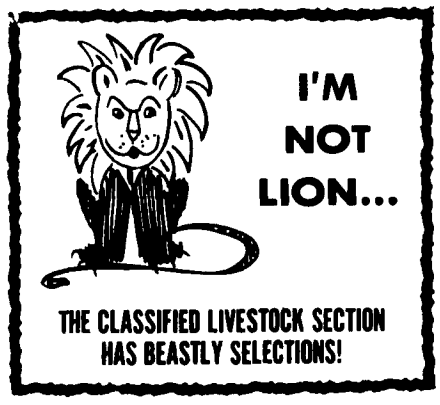
Beefed-Up Chisel Plow Offered By Ford New Holland

NEW HOLLAND (Lancaster) — The new Model 133A chisel plow from Ford New Holland features a bigger frame and more clearance for better operation in minimum-tillage situations.

The 133A features a beefier, 4x6-inch mainframe and heavy, 2x1-and-¼ -inch shanks. Shanks are spaced on 12-inch centers with 30 inches of under-frame clearance. Fore-and-aft clearance is 91 inches on pull-type models for plug-free residue flow.

A three-point version is available on 10- to 16-foot working widths; pull-type models come 10 to 40 feet wide. Both mounted and pull-type units are available with a wide range of sweeps, shovels and spikes to match a large variety of crops and soils.

The 133A chisel plow from Ford New Holland is available in working widths of from 10 to 40 feet. The plow has large under-frame trash clearance.



A COMMITMENT TO AGRICULTURE.

The Hamilton Bankwide Agricultural Team at the Vernon Umble Farm in southeastern Lancaster County (Front row - left to right) Branch Managers or Business Banking Officers Dennis Lefever, Quarryville, Robert Koch Richland-Robesonia Robert Kline, Mt Joy, William Lancy Christiana Thomas Papp Jr BBO Kutztown-Reading and Bradley Kline, Red Lion (Missing - C Donald Wissler Jr , BBO, Quarryville) (Second row) The Agri-Finance Department Darvin Boyd Patricia Trout John Moose Karen Dinkel, Roger Rohrer, Suzanne Oatman Jeffrey Troutman, and Ted Bowers

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Deutz-Allis: Farm Equipment Sales To Accelerate In 1989

MILWAUKEE, WI. — Economic recovery in the farm sector will resume in late 1988 and accelerate through 1989, resulting in 5 to 10 percent greater farm equipment sales by the end of next year, predicts Dave Maaske,, Deutz-Allis manager of market economics.

"We feel very positive about the agricultural outlook in 1989," Maaske said. "We see very strong sales gains in large farm tractors and self-propelled combines, and significant gains in tillage and hay tools."

The 1988 drought, which squelched a brief sales recovery in mid-season of 1988, should prove only a brief interruption in the upward economic trend that began in late 1987. According to a pre-drought report by the Federal Reserve Bank of Chicago, January 1988 marked the seventh consecutive month in which tractor sales improved over year-earlier figures, while combine sales increased for the fifth consecutive month in January.

Industry sales in 1988 are expected to rise by 5 percent compared to a year ago, including the effect of the drought.

Barring an encore of last season's drought, increasing export demand for North American grain and favorable crop prices should spur the farm economy recovery beyond earlier forecasts, according to Maaske.

Realized gross farm income is likely to rise by 4 or 5 percent in 1988 and 1989. And government farm programs may likely encourage acreage expansion in the 25 to 30 million-acre range. Farmland values in the Midwest have risen an average of 12 percent during the past 12 months, according to a recent survey.

"Farmers are entering a recovery phase in the farm business cycle with a fleet of machines showing the highest average age in 20 years," Maaske commented.

"The size and condition of tractors, combines and other implements that have been in service since the 1970s may not be adequate to handle over 25 million more crop acres. Couple that with the fact that new technology generally reduces per-unit production costs and many farmers are more financially secure, and you have a favorable environment for equipment retail sales," he added.

Industry inventories are the lowest in years, too, which will work toward the benefit of both farmers and equipment dealers. But prudent farmers will place orders ahead of the heavy-use season to lock in the best price, selection and guaranteed availability, he said. Deutz-Allis has specific marketing programs in place to meet this need.

"Farm equipment suppliers that have emerged from the restructuring of the past decade are leaner, stronger and better able to adapt to changing market conditions," Maaske said.

Abbott & Cobb Holds Annual Sales Meeting

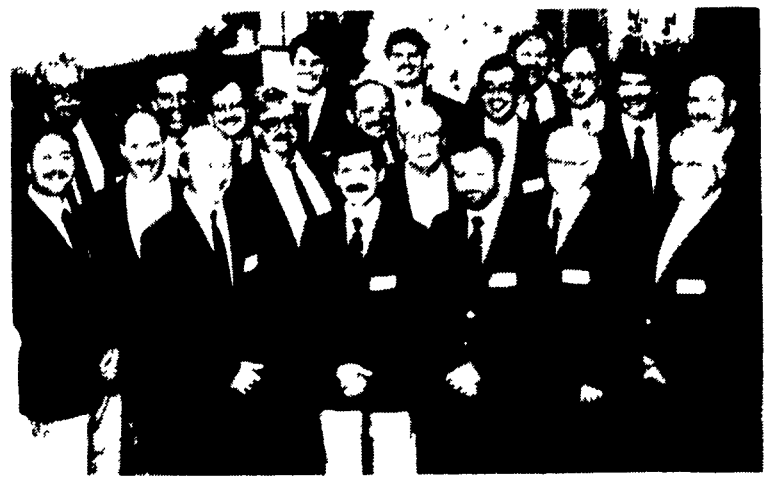
FEASTERVILLE, PA — Abbott & Cobb, Inc., nationwide vegetable seed distributors, held its annual sales meeting in McAllen, Texas.

President Arthur C. Abbott led discussions during four days of meetings at the McAllen Airport Hilton Inn. Attending were A&C nationwide seed consultants, branch managers and staff members.

Seed industry guest speakers included Hank Hayes and Jim McConnell of Petoseed Co.; Glen Kaufmann of Royal Sluis, Inc.; Hideo Takahashi and Angel Aguilar of Sakata Seed America; and Bob Munger, Gene Hookstra, and Ed Hefley of Sunseed Co. There was also a special video presentation made by Steve Springer and John Nelson of Northrup King and Co.

The meeting concluded with a banquet at which many employees were commended for service to Abbott & Cobb in 1988. Special recognition went to Pete Suddarth, Salesman of the Year, of Palmetto, Florida; Mike Key, Regional Manager of the Year, of McAllen, Texas; and Earl Hess, Employee of the Year, of national headquarters in Feasterville, Pennsylvania.

Abbott & Cobb, Inc., is the largest independent distributor of vegetable seed in North America. Its national headquarters are located in the Philadelphia, PA, area; the company also maintains branches in California, Florida, Michigan, Texas and Mexico.



Abbott & Cobb's national seed consultants gathered recently for their 1988 annual meeting in McAllen, Texas. Some who attended are, from left, front row: Pete Suddarth, Bryant Long, Hector Leal Lacavex, George Humes, Dennis Burrell, and Frank Moore. Middle row: Joe Rucker, Brian Nungesser, Keith Peterson, Louie Valdivia, Buck White, Ignacio Cepeda Castaneda, Tommy Seal, Robert Elliott, and Mike Key. Back row: Gene Bumbera, Charlie Massie, Atlee

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The L3350 has a strong 4-cylinder diesel engine, rated at 32 PTO horsepower. It also has direct injection for good fuel economy and quick starts. Longer intervals between oil changes, too.

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Monthly Report

MAY 1988

BREED CODES

1—Ayrshire 2—Guernsey 3—Holstein 4—Jersey 5—Brown Swiss 6—M. Shorthorn 7—Red Dane 8—Mixed 9—Red and White

October, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Tim-Laurie Hackenberg	3	44.2	89.0	21,587	823
HL Narehood & Sons	B3	58.1	90.6	19,957	803
Glenn & Barb Carper	3	54.9	87.3	21,718	795
Sauderdale Farm	B3	52.9	88.5	20,800	786
Randolph A Hoffman	3	32.7	84.3	22,418	781
JL & CL Shaffer	3	36.6	87.6	20,670	771
Urie & Dan Yoder	3	51.8	86.8	20,416	762
David T Ulmer	3	54.8	85.9	21,192	762
David Apple And Son	B3	58.8	88.2	19,345	757
Pasture Green Farm	3	37.0	85.5	20,006	756
Jesse J Yoder	B3	66.5	89.9	19,785	742
Joseph & Grace Blank	B3	54.0	85.6	20,142	738
D&N Hornberger	B3	30.1	90.1	22,423	734
Fisherdale Farm	B3	67.7	91.9	19,010	723
George Stoltzfus	3	36.6	86.1	19,985	708
Michael & Deb Ewing	B3	42.8	87.8	19,428	707
Sheldon & Sue Shaffer	G3	32.8	87.5	18,943	694
Mabarbil Farms	3	97.4	90.7	18,468	686
Ronald B Reich	3	46.3	89.7	19,114	683
Jerry W Rice	B3	28.8	88.9	18,099	667
Alvin M Oberholtzer	B3	27.3	85.6	18,159	664
Clayton R Graybill	B3	47.8	87.6	16,761	664
Richard+Betty Weller	B3	46.9	92.1	16,800	656
Kenneth Alderfer	B3	41.4	85.6	18,569	655
Leire Fry & Sons	B3	125.5	86.3	17,481	645
Tim + Arlene Yoder	3	34.4	85.6	17,272	645
Ne-La-Le Farm	B3	50.2	88.0	16,823	636
Conewago Farms	B3	67.2	89.6	16,635	630
Elvin Kurtz	B3	40.3	87.4	18,202	619
Dare-E-Land	B3	20.4	87.5	19,542	609
Daniel Hostetler	B3	40.7	79.8	16,458	606
JH & GL Hassinger	3	19.7	86.5	17,811	602
Michael & Mary Hauck	B3	57.2	87.7	16,136	595
Robert + Kathy Waite	B8	36.8	90.1	16,726	594
Grand Scenery Farm	B3	42.6	88.0	16,676	586
Edward E Boonie	B3	35.2	82.5	16,415	582
Robert & Connie Waite	B3	50.0	91.4	16,077	581
Alvie D Cook	B3	61.9	81.7	16,780	575
Albert Heimbach + Sons	G3	123.1	90.9	16,180	575
Sidney & Susan Hoffman	B3	79.4	84.1	15,121	574
Don Ann Farm	B8	42.8	87.3	14,936	566
Lee & Sandra Shaffer	B3	99.4	86.3	15,624	565
Richard F Shirey	B3	42.1	87.1	15,002	549
Ken + Edna Smith	B3	70.7	84.7	14,669	540
J&S Bratton	4	42.5	82.4	11,066	531
Lloyd & Ruth Troxell	B8	28.6	86.7	13,192	513
Donald E Dreese	B3	19.4	84.1	14,955	507
Nel-Hill Farm	B3	60.4	84.0	12,865	464

September, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Tim-Laurie Hackenberg	3	44.1	89.1	21,667	825
Glenn & Barb Carper	3	54.4	88.0	21,931	804
Sauderdale Farm	B3	52.9	89.1	20,927	793
HL Narehood & Sons	B3	57.9	89.7	19,660	788
Randolph A Hoffman	3	32.4	84.2	22,564	788
JL & CL Shaffer	3	36.9	87.0	20,539	767
David T Ulmer	3	54.8	85.9	21,192	762
Urie & Dan Yoder	3	51.8	86.8	20,508	761
David Apple and Son	B3	58.8	88.1	19,425	759
Pasture Green Farm	3	37.0	85.8	20,111	757
Jesse J Yoder	B3	66.2	90.9	20,133	753
D&N Hornberger	B3	29.6	90.7	22,403	744
Joseph & Grace Blank	B3	53.8	85.7	20,250	739
Fisherdale Farm	B3	67.8	92.7	19,259	730
Michael & Deb Ewing	B3	42.3	87.4	19,463	709
Ronald B Reich	3	46.0	90.4	19,359	697
Sheldon & Sue Shaffer	G3	32.8	87.5	18,943	694
Mabarbil Farms	3	97.4	90.7	18,314	690
Alvin M Oberholtzer	B3	27.2	86.3	18,477	669
Jerry W Rice	B3	28.8	88.9	18,099	667
Tim + Arlene Yoder	3	35.4	86.8	17,435	654
Kenneth Alderfer	B3	41.1	86.0	18,327	653
Clayton R Graybill	3	48.0	87.3	16,481	653
Richard+Betty Weller	B3	46.9	91.9	16,617	652

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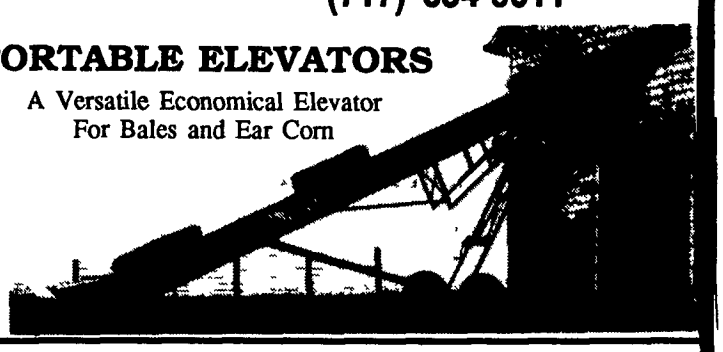

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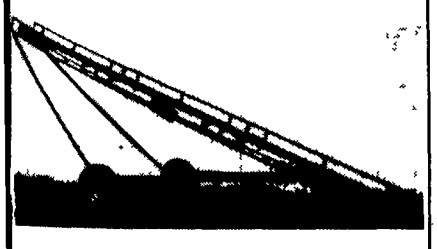

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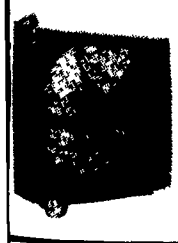

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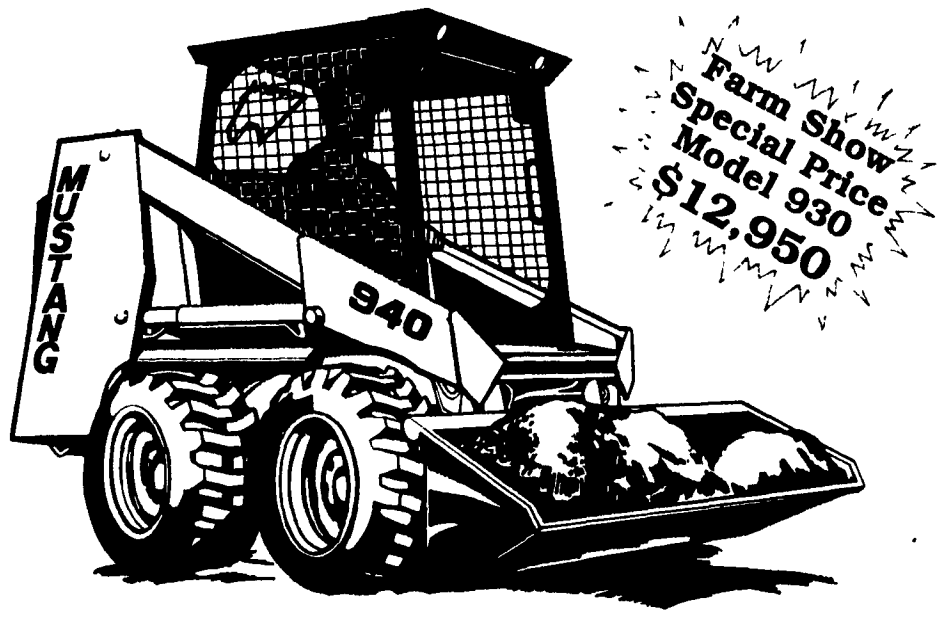

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How To Develop A Functional, Profitable Beef Cow Herd

BILLINGS, MT — "Maybe it is time for the commercial man to re-evaluate heterosis," said Merlyn Carlson, rancher and past president of the National Cattlemen's Association. "We have been crossbreeding for the past seven years. Now with the improvements in the Angus breed, and the reliability of EPDs, our records show that there is no added value to crossbreeding."

Carlson and two other cow-calf producers met recently at the American Angus Association Conference to discuss with attendees how to develop a functional and profitable cow herd. The speakers were Merlyn Carlson, Lodgepole, Nebraska; John Cooney, Harlowtown, Montana; and Jim Berger, Saratoga, Wyoming. The panel was moderated by Dr. Art Linton, head of the animal science department at Montana State University.

Carlson explained that the move to a straightbred herd has helped eliminate costs in breeding, management, sorting and extra feed.

The Carlsons have used careful bull selection to build their cow herd. "We emphasize EPDs for birth weight, maternal traits, carcass quality and yearling weight in our bulls," Carlson said. "In fact, we emphasize carcass traits the most."

"Feedlot growth and carcass traits are twice as heritable as is weaning weight," Carlson said, "so we think we are making strides a little faster with these selection procedures."

Although we are headed toward genetic trim of beef, Carlson warned that, "As we take waste fat off, we must not take taste fat out."

At Cooney Ranch cows must calve on their own, without much human assistance, John Cooney told the group.

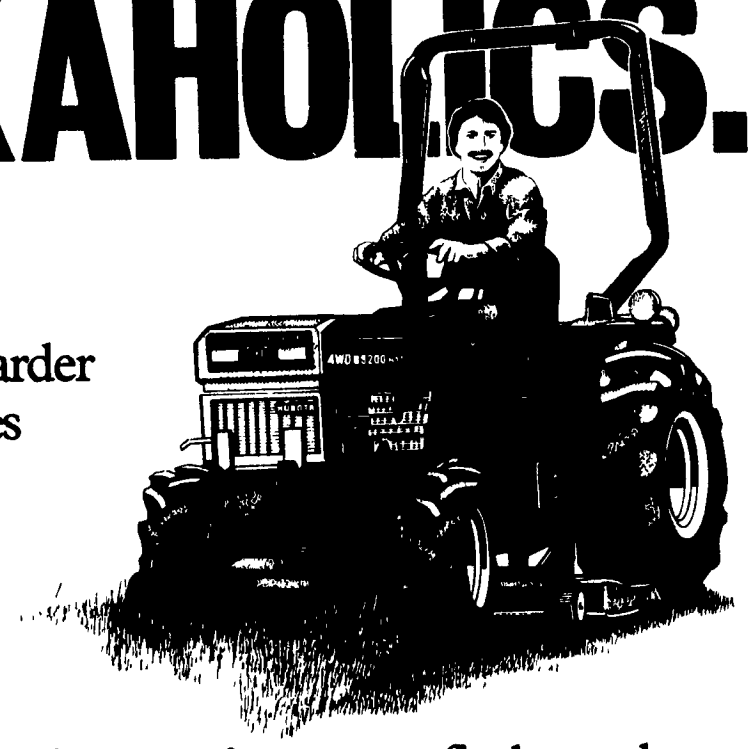
Their herd has been built upon careful bull selection. "Buying good bulls is the best thing you can do for your herd," he said. The last three years the Cooneys have paid an average of $4,000 each for their registered Angus bulls. Here is how they pick them. Two family members go to the bull sale. They inspect bulls in the lots and mark the animals with an "X" or "XX" if they have the correct visual appearance. Then the men sit down and look at the records. "When we see a bull with an X or double X that has good EPDs for growth and milk, and is as big as any bull in the sale for his age, then we know that bull is going to be awful high priced," Cooney said. And more often than not, they buy him.

Females are the most important part of his cow herd, Jim Berger said. "Steers are the by-product and we hope they pay the bill."

The best cows (all straightbred Angus) are bred A.I. Today, Berger wants cows of moderate size. "In the 1960's we were selecting the larger bulls, then in the 70's and 80's we have selected more moderate size bulls," Berger said.

To remain in the herd the cows must undergo rigid culling. Every cow is individually identified. Then if they have to "mess" with a cow she is culled. "We don't have the labor to take care of cows. We keep our labor inputs just as low as possible," Berger said.

WORKAHOLICS.



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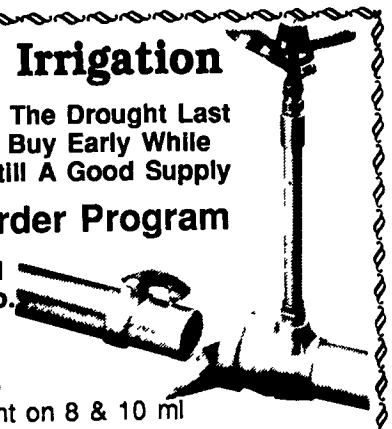

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Schulykill Co. DHIA

dhia Pennsylvania Dairy Herd Improvement Association **Monthly Report**

September 1988

Rolling Herd Average

The following are reported from the production report for September, 1988 based on a 365 day Rolling Herd Average. Only those hreds with an average production of 550 pounds or more of butterfat are reported.

Name	No. Cows	Milk Lbs.	Fat Lbs.
Brian Ruch	31.0	22,347	806
Carl A Farms	60.3	22,703	804
Miller & Rex Inc	34.2	21,413	760
James Rodichok	70.9	18,897	719
Randy Miller	32.8	20,594	715
Snyder Brothers	81.5	19,126	704
Jersey Acres Farms Inc	63.0	14,687	700
Suntrail Dairy Farm	53.6	18,585	671
Leon C Hepler & Son	53.3	18,372	660
Raymond Reichwein	46.2	17,969	660
Fidler Farm	65.1	18,724	658
Heisler Brothers	62.5	16,646	655
Burdell Troxell	30.6	17,813	654
Aaron Stoltzfus	44.1	18,842	653
Lactations			
Carl A Farms Inc			
Falcon	6-0	30,469	1180
Brian Buch			
Claudia	7-0	22,987	1098
Leon C Hepler & Son			
Amy	5-1	26,234	1039
Carl A Farms Inc			
Fran	4-0	25,979	977
Heisler Brothers			
Vivian	7-0	23,706	963
James Rodichok			
Frans	4-8	20,208	954
Snyder Brothers			
Paula	5-0	25,728	938
Raymond Reichwein			
Naomi	6-0	23,724	889
Snyder Brothers			
Phoebe	4-3	27,197	880
James Rodichok			
Sharyn	5-3	25,307	872
Colleen	2-11	24,506	865
Snyder Brothers			
Meg	4-8	20,848	864
Jersey Acres Farms Inc			
Prudanc	4-4	17,622	862
Heisler Brothers			
Sugar	4-0	21,743	858
Randy Miller			
Blu	3-3	21,758	853

Potter Co. DHIA

dhia Pennsylvania Dairy Herd Improvement Association **Monthly Report**

OCTOBER 1988

ROLLING HERD AVERAGE

Name	Breed	No. of Cows	Days Milk	Milk Lbs.	Fat Lbs.
Ron and Candy Cooney	RH	64.3	86.6	20,862	795
Ivan Kibbe Jr	RH	101.4	91.5	20,625	777
Ivan Smoker & Sons	RH	104.7	86.1	20,281	754
Robert Francis	RH	39.2	81.7	19,149	743
Kevin Risser	R-GH	108.5	85.9	21,512	742
Jack Thomas Sr.	R-GH	57.3	88.1	19,702	730
John C. Traub	R-GH	39.6	86.5	20,086	724
Dale Hoffman	R-GH	88.9	87.7	20,189	722
Donald Thompson	RH	44.8	84.3	20,525	716
Guy Dunn	RH	55.6	89.1	19,735	707
Dan and Leon Tice	R-GH	49.9	89.2	20,232	705
Alvin Miller	R-GH	103.4	89.7	19,118	703
Gary Perkins	R-GH	42.0	85.7	18,522	681
Gene&Phyllis Thompson	R-GH	96.1	84.1	18,987	665
R-Own Farms	RH	89.6	81.8	18,626	650

Lactations

R-Own Farms						
Kathy	H	3-02	305	20,209	3.7	760
Jack Knowlton						
Kay	H	7-10	305	19,451	4.0	792
Gene & Phyllis Thompson						
#115	H	3-02	305	22,480	3.4	776
#149	H	2-01	305	20,315	3.7	754
Alvin Miller						
#11	H	3-00	305	19,945	3.8	758
Titus Risser						
124	H	4-05	305	23,306	3.3	772
Ron and Candy Cooney						
Quasar	H	10-10	305	31,274	3.1	971
Rebel	H	3-02	305	15,598	4.8	759
Splash	H	3-06	305	20,381	3.6	751
Ivan Smoker & Sons						
Anne	H	8-03	305	24,915	3.6	918
Kitty	H	4-00	293	20,198	4.6	940
Reggie	H	2-02	305	15,652	5.3	831
Judy W. Breeden						
R-74	H	3-09	305	16,549	4.6	768
Dan and Leon Tice						
Heather	H	5-04	305	25,033	3.3	833
Dale Hoffman						
Tracy	H	6-02	305	23,007	3.3	771
Betsy	H	3-05	305	23,691	3.2	766
John C Traub						
Millie	H	6-01	305	25,155	3.4	877
Craig Torrey						
Dana	H	5-03	305	22,566	3.5	809
John H Lehman						
Nick	H	8-01	305	20,499	4.2	880

CARROLL COUNTY DHIA

October 1988

Windsor Manor Farm tops October DHIA

Windsor Manor Farm (Jason and Donna Myers) of New Windsor, MD, had the herd with the highest average for the month of October, according to figures just released by the Carroll-Baltimore Dairy Herd Improvement Association.

DHIA is a milk testing and record system used by modern dairymen to help him to manage his business more efficiently. These records are also used in improving sires for artificial breeding and are used in research conducted by the USDA and the University of Maryland.

During the month of October, 118 dairymen in Carroll-Baltimore counties participated in this program. Listed below are the top ten herds based on their herd averages over the past year.

1st - Windsor Manor Farm (Jason and Donna Myers), No. Cows - 61, Milk - 19,473, Fat - 728; 2nd - Rose Croft, Ltd. (Gary Derr), No. Cows - 112, Milk - 19,508, Fat - 723; 3rd - Edrich Farm, Inc., No. Cows - 152, Milk - 20,162, Fat - 717; 4th - Unicorn Associates, No. Cows - 116, Milk - 19,441, Fat - 714; 5th - Marlin Hoff, No. Cows - 437, Milk - 20,305, Fat - 714; 6th - Harry Roach III, No. Cows - 107, Milk - 19,246, Fat - 714; 7th - Del-Myr Farm (Roger and Jeff Myers), No. Cows - 67, Milk - 19,297, Fat - 713; 8th - Maple Lawn Farm (C.E. lager and Sons), No. Cows - 161, Milk - 19,179, Fat - 708; 9th - D. Richard Flickinger, No. Cows - 73, Milk - 18,272, Fat - 705; 10th - Joe Schwartzbeck, No. Cows - 143, Milk - 18,662, Fat - 696.

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Sheep Convention To Be Broadcast

DENVER — America's newest superstation, RFD-TV, will broadcast programs on the American Sheep Industry Convention at 2:05 p.m. (CST), Jan. 20 and 23. In addition, a rebroadcast of convention highlights will begin at 1:05 p.m. (CST), Jan. 28 and continue for several hours.

RFD-TV broadcasts on Spacenet 1, Channel 23 (S1/23) and its signal is rebroadcast by a number of low power TV stations across the country.

The sheep industry convention programs will feature speakers, interviews and special events taped the previous week at the U.S. sheep industry's premier event. The program will focus on industry issues such as lamb marketing, wool marketing, management, economics and finance. The "Make It Yourself With Wool" fashion show featuring contestants from 47 states will also be part of the broadcast.

"The 114,000 sheep producers in the United States and thousands more in Canada need the latest information to remain competitive in a changing world," said Patrick Gottsch, RFD-TV chairman, in announcing the special series. He emphasized that RFD-TV is committed to meeting those needs.

Omaha based RFD-TV began operating in August 1988 and broadcasts 24-hours per day. Programming is targeted to viewers interested in agricultural production and marketing. The signal is not scrambled, thus making it available free of charge to all satellite receivers in North America, 70 percent of which are in rural areas.

Rodger Wasson, executive director of the American Sheep Producers Council says information is a key to success in every industry. The U.S. sheep industry, which is growing after years of decline is no exception. In many areas producers have difficulty obtaining current information on sheep production and marketing. "We are pleased that RFD-TV's progressive management is accepting the challenge to provide sheep producers with current information," Wasson says.

The American Sheep Producers Council, Inc., headquartered in Denver Colo., represents the interests of the nation's 114,000 sheep producers. The Council conducts advertising, promotional, educational and public relations programs for the industry.

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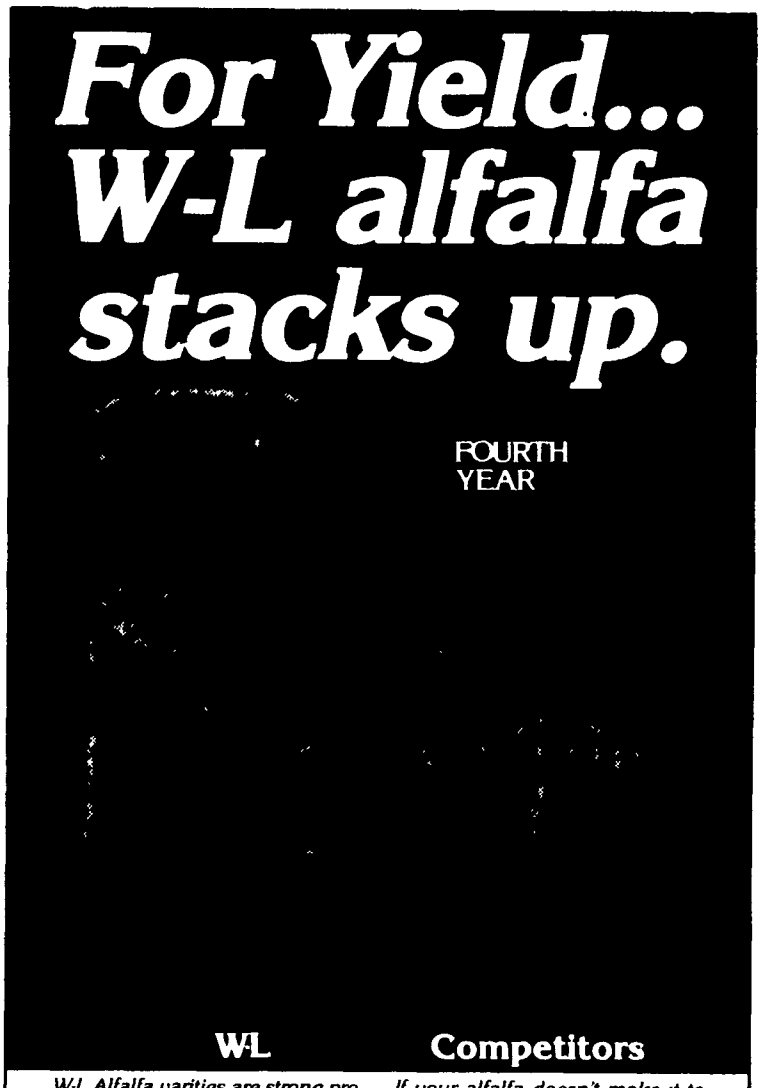

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275	27"x44¼ "x60"	12	275	Vertical	$157.00
275	27"x44¼ "x60"	12	275	Horizontal	$157.00

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500	4'0"	5'5"	12	$395.00
500	4'0"	5'5"	10	$446.00
500	4'0"	5'5"	7	$552.00
1000	4'0"	10'9"	10	$681.00
1000	4'0"	10'9"	7	$809.00

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Capacity (Gallons)	Diameter	Length	Gauge (Thickness)	Weight (Pounds)	Price FOB Quarryville
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550	4'0"	6'0"	10	537	$273.00
550	4'0"	6'0"	7	738	$34[illegible]
1,000	4'0"	10'8"	10	845	$46[illegible]
1,000	4'0"	10'8"	7	1,158	$536.00

NEW STEEL UNDERGROUND STI-P3 FUEL STORAGE TANKS

Capacity (Gallons)	Diameter	Length	Gauge (Thickness)	Weight (Pounds)	Price FOB Quarryville
285	3'0"	5'6"	10	359	$ 441.00
550	4'0"	6'0"	7	831	$ 662.00
1,000	4'0"	10'8"	7	1,266	$ 901.00
2,000	5'4"	12'0"	7	1,914	$1,413.00
3,000	5'4"	18'0"	7	2,657	$1,831.00
4,000	5'4"	24'0"	7	3,403	$2,264.00

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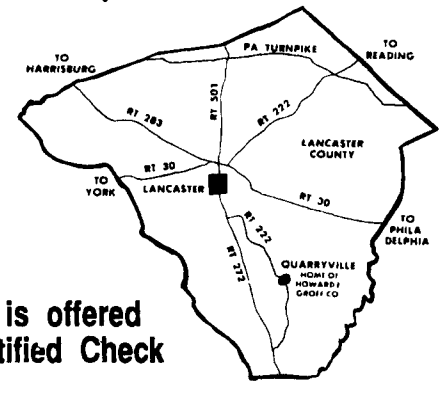

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Bucks Co. DHIA

dhia Pennsylvania Dairy Herd Improvement Association

Monthly Report

October 1988

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Bishcroft Farm	3	126.6	88.9	20,331	773
George&David Bishop	3	98.9	88.5	21,516	736
R Galen Leatherman	B3	39.2	86.2	20,505	736
Crooked Acres Dairy	3	59.2	87.4	21,047	733
Richard O Smith	2	61.3	89.7	15,938	729
Willow Ridge Farm	3	47.1	88.1	19,463	719
David W Wurster	3	62.0	88.6	19,964	716
Paul L-Kevin Bishop	B3	64.2	87.4	19,931	713
Raymond Gross	3	41.4	90.4	19,960	710
Joe & Linda Ford	B3	48.6	87.8	21,166	702
Delaware Val College	3	38.7	84.0	18,854	683
Joseph M Peters	B3	50.6	87.4	19,589	677
Moyers Village Farm	B3	87.5	85.7	19,146	673
Penrose and James	3	80.3	84.0	18,482	668
Harold-Tom Haldeman	3	94.3	90.2	18,762	662
David R Wolfinger	3	45.5	85.8	18,559	660
James Pavlica	3	50.2	87.5	19,466	659
Robert-Donald Crouse	B3	63.8	87.5	17,769	653
Lactations					
David W Wurster Siobhan	H	4-6	305	23,952	968
Moyers Village Farm Jessie	H	6-6	305	23,240	877
R Galen Leatherman Sassy	H	4-9	305	21,261	865

Union County DHIA
September, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Jacob S Stoltzfus	3	49.7	89.4	23,248	884
John F Stoltzfus	B3	48.9	88.8	21,854	811
Amos M Stoltzfus	B3	43.9	86.2	19,947	784
Locust-Row-Farm	B3	56.3	90.8	19,455	781
Kenlew Farms	B3	46.4	90.5	20,084	765
Ra-El Holsteins	3	62.9	87.6	21,915	749
Clarence W Beiler	3	71.1	90.0	19,698	743
Ridge Creek Farm	3	49.1	88.1	20,447	742
Joal-Ann Dairy	3	77.2	88.7	20,283	736
Terry L Boob	B3	40.0	87.2	19,584	734
San Be Farms	3	62.6	87.1	20,764	730
Wilmer S Stoltzfus	B3	32.3	88.7	19,647	728
Melvin Z Musser	B3	39.8	87.6	20,779	728
Jonas R Zeiset	B3	43.9	89.5	19,362	726
Mifflin Hills Farm	3	53.2	86.6	21,175	722
Gene-Mar Farms	B3	87.6	89.7	18,535	722
Dip-N-Hill Farm	B3	67.5	89.7	20,272	717
Locust-Ridge Farm	B3	53.0	87.1	18,729	713
Nelson Z Martin	G3	28.5	86.1	21,185	712
Kore M Yoder	G3	44.9	88.0	19,828	711
Ivan B Martin	B3	39.7	83.4	20,516	710
Rapid Run Farm	3	39.2	86.9	19,783	709
Leon M Musser	3	52.3	89.2	18,631	703
Ron & Lina Hoffmann	B3	57.0	85.9	18,766	700
Roland Hackman	3	49.8	85.5	18,669	698
Epler Bros	G3	50.7	85.0	18,733	683
Wilmer E Zook	B3	38.8	88.7	19,152	683
Kenneth T Shuck	G3	47.4	83.2	18,317	681
Daniel Z Stoltzfus	3	71.4	89.4	19,267	679
Elam Beiler	3	45.4	89.9	17,804	673
John K Stoltzfus	3	47.6	86.9	17,827	669
Ralph Dietrich & Son	B3	26.8	89.6	17,282	669
Leroy W Martin	B3	40.6	79.5	18,694	661
Hemlock Meadow Farm	B3	49.1	85.3	18,256	658
Dennis E Wolfe	3	27.8	84.6	17,682	655
Twin Pine Farm	B3	39.4	80.7	18,626	651
Joseph E Snyder	B3	48.6	87.8	18,220	651
Melvin K Stoltzfus	3	59.2	82.1	18,722	651

Northumberland County DHIA
October, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Truckenmiller Farms	B3	64.8	89.8	20,713	824
Fred & Tom Strouse	B3	61.2	87.4	19,779	770
RMD Shultz Farms	B3	78.4	88.6	20,275	750
Ernest L Wolfe	B3	61.5	84.4	18,510	738
Brent Buckwalter	3	106.3	86.5	19,596	731
Luke N Rebuck	G3	39.8	88.6	18,121	693
Irvin Reynold	B3	73.8	88.8	17,158	662
Garvin Schaffer	B3	35.6	85.8	18,736	653
Jerry Smith	3	52.2	85.4	17,816	642
Clayton H Swartz	B3	32.0	87.3	18,180	639
Ernest Klinger	G3	85.3	90.3	16,551	635
Ronald F Wallace	B3	55.1	85.0	16,589	633
Wayne Klock	B3	39.7	89.4	16,930	623
Matthew A Lucas	B3	34.0	89.2	17,361	621
Stony Run Farm	4	28.3	89.1	12,084	607
William A Betz	B3	56.4	85.8	17,175	590
Orville Shultz	B3	59.7	85.9	17,042	590
Anna R Showers	3	19.4	88.7	15,852	580
Lloyd B Zimmerman	G3	111.7	89.6	16,007	575
David V Erdley	G3	23.4	85.4	17,688	574
E Delrue Schnure Jr	B3	56.0	87.8	15,001	564
Slyvester Nicholas	G3	35.7	90.8	15,571	555
William R Landis	B3	33.8	86.1	14,716	546
Leon Epler Farms Inc	G3	75.8	82.8	14,525	540
John Bomberger & Sons	B3	243.1	83.8	15,002	540
Bob + Toma Foresman	B3	103.1	74.4	14,123	510
Lorry Brosious	B3	28.9	81.9	12,701	453
Timothy A Martz	B8	41.9	88.7	10,670	440
Schmidt's Dairy Farm	G3	25.9	83.0	10,934	433

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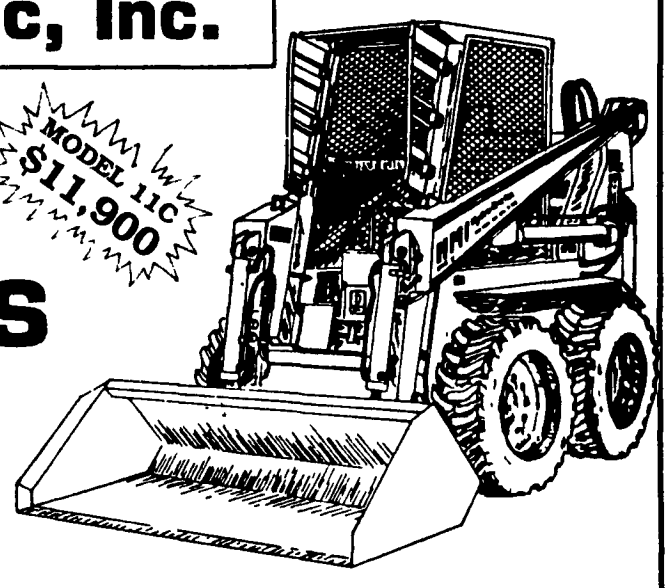

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John Deere Tractor And Equipment Story Released

ST. JOSEPH, Mich. — John Deere Tractors and Equipment, 1837-1959, the

ST. JOSEPH, Mich. — John Deere Tractors and Equipment, 1837-1959, the first in a proposed two-volume set, was released by the publisher, the American Society of Agricultural Engineers, in September 1988, the Society announced today. The book is the eighth in a series published by the Society that focuses on the history of agricultural equipment.

In the first part of this 400-page, hardbound volume, author Don Macmillan goes beyond existing Deere studies, chronicling company history as it relates to product line expansion and development, from the time of the plow to Deere's first diesel. As Boyd Bartlett, former Deere & Company president, points out in the book's preface, "some of this expansion was by invention, some by adaptation or modification and much by acquisition". Whatever the route, however, during the 122-year span covered in the book, "farm equipment underwent more change than in the previous history of mankind", and by 1959, "the John Deere product line had become one of the most diverse and best known in the industry".

A product review makes up the second part of the book and includes a large number of previously unpublished pictures, as well as details on almost every tractor, every implement Deere & Company produced in the period. In all, the book contains 970 photographs (many in full color) taken from the Deere & Company archives and the authors' private collections.

Eleven appendices supplement the text and contain minute data on tractor specifications, model and production years, build dates, serial numbers and thirty years of tractor test results, making the volume a valuable resource for the serious tractor and farm machinery "buff".

Author Macmillan and collaborator Russell Jones comment that "overall, the book is both product-specific and nostalgic ... and with its generous page size and pictorial format, a wide audience will find it easy to read and enjoy".

Macmillan, who has previously written two books and many articles on John Deere tractors and combines, owns one of the largest collections of vintage John Deere tractors in Europe and was for many years was a dealer in the U.K. Collaborator Russell Jones has wide experience in farm and construction machinery marketing worldwide.

John Deere Tractors and Equipment, 1837-1959 is available from the American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, Michigan 49085-9659, telephone (616) 429-0300. Check, money order, Visa or Mastercard accepted. The price is $34.95 plus $2.00 postage and handling. Michigan residents add $1.40 sales tax/book.

(For collectors, signed, "Presentation" copies with full leather binding ($395) and "Special Limited Edition" copies, leather spined and cornered ($270), are also available from the publisher, as well.)

Part of a two-volume book set, this 400-page book chronicles the company history as it relates to product line expansion and development.

Penn State Extension Agents Honored

UNIVERSITY PARK (Centre) — Two Penn State Cooperative Extension agents recently were presented service awards for their contributions to 4-H programming at the 1988 National Association of Extension 4-H Agents Annual Conference in Minneapolis.

Sylvania Negley of Cumberland County won the Distinguished Service Award for promoting consumer education programs, 4-H intra-state exchange, 4-H day camp and community service programs. Her achievements include enrolling 700 members from five school districts in the "Blue Sky Below My Feet" program while keeping 700 additional students active in other projects and working with the 4-H Stream Monitoring Project.

Negley was selected in March as a state winner and then recognized as a Pennsylvania DSA winner at the November conference. The award, which honors agents who have been in extension seven or more years, recognizes professional attitude, improvements and accomplishments.

Earle Robbins of Tioga County won the Blue Ribbon Award in March and received recognition for the award at the November conference. He was recognized for coordinating programs for 4-H members and adults in natural resources, animal sciences, beef, sheep, swine and horses.

The Blue Ribbon Award is given to agents with three to seven years of experience and is based on members' 4-H programming, involvement in the association, professional improvement and community activities.

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Columbia Co. DHIA

dhia Monthly Report

Pennsylvania Dairy Herd Improvement Association

October 1988

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Richard Kriebel	B3	55.2	89.0	21,917	800
Shultz Bros	3	71.8	91.2	19,618	766
J Robert Book	B3	64.2	89.3	20,472	756
Duane E Shuman	3	30.2	88.9	20,162	751
Bruce+Brenda Hemsarth	2	46.6	88.6	14,911	735
Richard Yule	3	49.4	85.5	19,697	702
Richard Kriebel	2	5.6	92.5	14,810	694
John W Turofski	G3	31.4	85.4	18,127	687
James L Kline	B3	23.4	91.1	19,596	682
Jay E Wise	B3	39.4	92.1	18,943	671
Robert C Bronson	3	62.8	86.0	18,966	671
Valley Stream Farm	B3	65.5	87.9	20,612	659
Lyons Den Dairy	B3	149.7	85.3	18,950	652
Pen Col Farms	B3	196.4	78.2	16,688	651

Lactations

Lyons Den Dairy Star	3	5-11	278	23,163	3.8	892
Robert C Bronson Sheila	3	3-2	305	25,105	3.4	872
Pen Col Farms						
Vikie	3	2-3	305	24,105	3.8	935
#Prudie	3	2-1	305	20,875	4.1	863
#J-Dean	3	2-0	305	24,545	3.6	904
#J-Dee	3	2-0	305	22,940	4.0	920
Richard Kriebel Vanessa	3	4-4	305	24,352	3.6	898
John W Turofski						
Libby	3	5-3	294	21,223	4.2	908
Peanut	3	5-3	305	24,588	3.6	899
Duane E Shuman						
Dandy	3	6-4	301	23,780	3.6	868
Abby	3	5-8	305	25,848	3.7	964
Richard Yule Gin	3	3-4	305	23,411	3.8	889
Carl R Stackhouse Momo	3	4-6	305	24,476	3.5	856

Union County DHIA
October, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Jacob S Stoltzfus	3	49 6	89.8	23,405	883
John F Stoltzfus	B3	49.1	89.3	22,148	817
Locust-Row-Farm	B3	56.3	90.8	19,455	781
Amos M Stoltzfus	B3	44.0	85.6	19,874	769
Kenlew Farms	B3	46.7	89.1	19,674	747
Ra-El Holsteins	3	61.8	87.5	21,792	745
Clarence W Beiler	3	71.3	90.5	19,759	742
Ridge Creek Farm	3	49.8	87.5	20,175	734
Joal-Ann Dairy	3	77.0	88.9	20,152	729
San Be Farms	3	62.7	86.7	20,741	728
Wilmer S Stoltzfus	B3	32.3	88.7	19,647	728
Terry L Boob	B3	39.7	87.3	19,600	725
Jonas R Zeiset	B3	44.6	89.3	19,480	722
Gene-Mar Farms	B3	87.4	89.9	18,725	721
Mifflin Hills Farm	3	53.7	86.4	21,032	718
Ivan B Martin	B3	39.7	84.2	20,674	715
Dip-N-Hill Farm	B3	67.9	89.2	20,185	713
Melvin Z Musser	B3	39.6	87.6	20,457	713
Nelson Z Martin	G3	28.5	86.1	21,185	712
Kore M Yoder	G3	44.6	88.3	19,948	706
Rapid Run Farm	3	38.9	86.4	19,679	705
Ron & Lina Hoffman	B3	57.6	86.5	19,002	701
Leon M Musser	3	52.5	88.5	18,535	691
Locust-Ridge Farm	B3	53.1	86.0	18,305	689
Roland Hackman	3	49.9	85.2	18,464	686
Wilmer E Zook	B3	38.8	88.7	19,152	683
Epler Bros	G3	49.9	85.1	18,799	682
Kenneth T Shuck	G3	47.4	83.2	18,317	681
Daniel Z Stoltzfus	3	71.4	89.4	19,267	679
Elam Beiler	3	45.4	89.9	17,804	673
Ralph Dietrich & Son	B3	27.5	90.1	17,418	671
John K Stoltzfus	3	47.6	86.9	17,827	669
Leroy W Martin	B3	40.6	79.5	18,694	661
Hemlock Meadow Farm	B3	48.9	85.4	18,336	657
Twin Pine Farm	B3	39.6	81.3	18,872	656
Dennis E Wolfe	3	27.2	84.8	17,870	654
Joseph E Snyder	B3	48.0	88.0	18,210	649
Melvin K Stoltzfus	3	58.8	82.8	18,837	649
Allen Reichley	B3	50.3	86.7	15,444	646
Mark A Mapes	B3	41.4	85.5	18,670	640
Dietrich Brothers	G3	51.3	90.2	15,964	639
Sassafras Holsteins	B3	71.5	85.0	18,932	639
Breezy-Vue Farm	3	28.5	83.4	17,099	631
Robert Heimbach-Sons	G3	59.2	88.4	17,110	621
Popular-Vu-Farm	B3	31.6	87.6	17,478	621
Mervin Nissley	B3	103.7	89.1	16,767	620
Zi-Wes Dairy Farm	3	50.2	89.4	16,903	620
Jonas Bender	B3	33.4	75.9	17,076	618

Wayne County DHIA
October, 1988

Gary Fielding, #5 Lake Ariel, had the leading dairy herd in the Wayne County Dairy Herd Improvement Association in the October test period, according to the Cooperative Extension Service. The herd of 32 Holsteins had a rolling herd average of 20,999 pounds of milk and 838 pounds of butterfat.

Other top herds were: Kevin Burleigh, #1 Pleasant Mount, 20,043 milk and 742 fat; Rowe Brothers, #2 Honesdale, 18,748 milk and 715 fat Jack & Ella Chyle, Pleasant Mount, 20,578 milk and 705 fat; Highland Farms, St. Rt. Honesdale, 19,788 milk and 701 fat; E.W. Lepro, #2 Thompson, 18,724 milk and 695 fat; Charles P. Dennis, #2 Honesdale, 18,384 milk and 688 fat; James Slocum, #3 Susquehanna, 16,968 milk and 677 fat; Kinghill Farm, Starrucca, 17,286 milk and 677 fat; and Dave Noble, #4 Honesdale, 19,259 milk and 668 fat.

The cow completing the highest lactation of 305 days or less during the October test period was a four year old Holstein owned by Charles Dennis, R.D.#2 Honesdale. "Audrey" produced 25,233 pounds of milk and 1044 pounds of butterfat.

Other top producers were "Mya" owned by Clearfield Farms, R.D.#2 Honesdale, 26,137 milk and 981 fat, "Dainty" owned by Rowe Brothers, #2 Honesdale, 20,024 milk and 972 fat, "Dana" owned also by Rowe Brothers, 23,995 milk and 929 fat, "Violet" also owned by Rowe Brothers, 21,943 milk and 926 fat, "65" owned by James Yatsonsky, #2 Honesdale, 20,504 milk and 896 fat, "Duchess" owned by Highland Farms, St. Rt. Honesdale, 22,636 milk and 868 fat, "Lucky 82" owned by George Banicky, #2 Thompson, 21,624 milk and 838 fat, "Design" owned by Clearfield Farms, 21,688 milk and 828 fat and "Bell" owned by George Banicky, 27,526 milk and 821 fat.

HAVING SOIL PROBLEMS?
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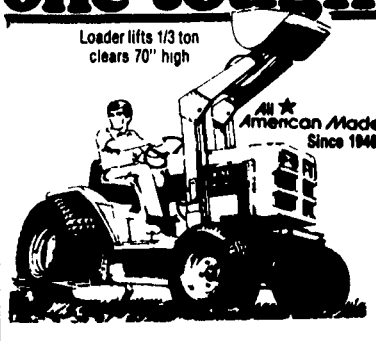

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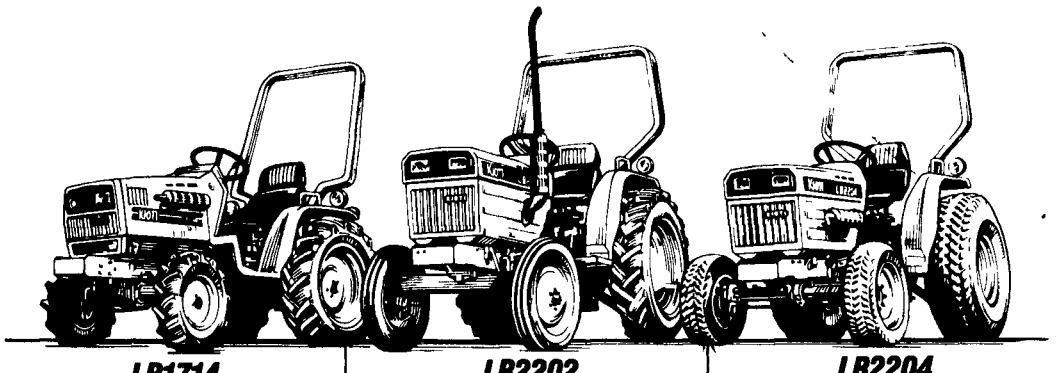

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Agway Energy Products Introduces Leaded-Gasoline Replacement

SYRACUSE, N.Y. — Major refiners are now starting to eliminate leaded regular gasoline from their product lines due to limited consumer demand. These actions are leaving many Northeast farmers without an adequate fuel to run their older equipment. To meet the needs of this market Agway Energy Products is introducing PowerShield Plus TM, an 89-octane gasoline with an additive package.

PowerShield Plus provides valve seat protection at low-lead levels equivalent to that of a leaded gasoline while maintaining the higher 89-octane needed for older engines. It also helps clean up carburetors, injectors and fuel systems and keeps them clean.

In engines designed for leaded gasoline, a thin layer of lead oxides protects valve seats against impact and abrasion. Conventional unleaded fuels do not provide this protection and their use can result in a loss of power and fuel economy. Eventually, the valves will no longer seal effectively and the cylinder head will probably have to be replaced.

Many older engines have considerable operating life left, but when operated at high speeds and loads, cannot withstand the accelerated valve seat wear with low-lead gasoline. Under these conditions, PowerShield Plus is proven to reduce wear by over 70 percent compared to conventional unleaded gasoline. It can extend engine life and safeguard a farmer's large investment in equipment.

Agway Energy Products is making PowerShield Plus available to bulk delivered customers in selected locations in New England and in Lancaster, Pennsylvania. It is anticipated that the fuel will be available throughout the Northeast by the spring of 1989. This will allow farmers to continue operating without an interruption in supply.

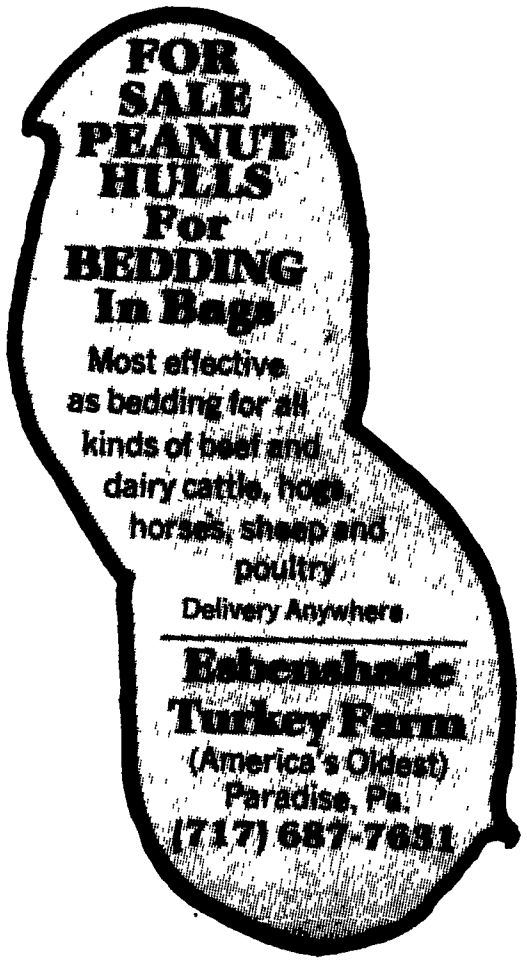
Avoid Fertilizer Burn Of Seed

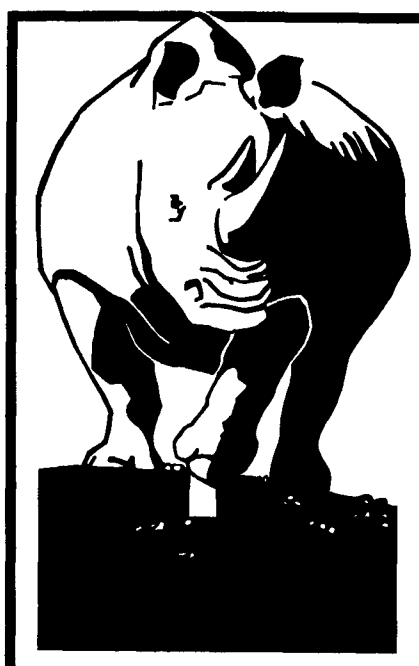
DeKALB, IL. — "Two consecutive years of dry top soils have intensified the effects of improper fertilizer placement within the seed zone," said a seed company agronomist. "The result is fertilizer salt injury causing the death of germinating seed, poor early root development, severe stand reductions and significant yield losses," stated Rick Mason of Dekalb-Pfizer Genetics.

"Injury is due to nitrogen, phosphorus and potassium fertilizers, with 'high salt indexes' being placed too near the seed or young plant root systems." Mason explained. "Soil moisture moves from zones of low to high salt concentration. When the salt concentration inside the seed or root is lower than "salty" soil around it, the seed is prevented from germinating; or the young corn plant wilts and dies from the lack of ability to take up moisture."

"Salt damage is more likely to occur when a dry period follows spring plantings having normal moisture," according to the seed company specialist. "Moisture evaporating within the seed or root zone leaves a highly concentrated salt solution near growing plant tissue."

Mason advises the best way of avoiding the sale injury risk is proper fertilizer placement at planting. Adjust equipment so placement averages 2 inches to the side and 2 inches below the seed or seedling. Farmers should also apply anhydrous ammonia, high or low ammonia pressure nitrogen solutions, diammonium phosphate and urea at least one week before planting to avoid seedling damage.





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Dairy Pipeline

By
Glenn A. Shirk

Extension
Dairy
Agent

Displaced Abomasums

A number of dairymen have indicated they are having more displaced abomasums this fall, and I don't pretend to have all the answers to their problems. However, their problems did encourage me to choose this topic for this column.

As you probably are well aware of, DA's are most prevalent shortly after calving and are generally more of a problem with older cattle. However, I've been hearing more dairymen complain about heifers having DA's this year.

There are a number of theories as to the cause of DA's. Sometimes, there is a lack of smooth muscle contractions around the abomasum. These contractions are necessary to help gases escape. This could also be one of the benefits of exercising cows. If the gases cannot escape the stomach may float up into an abnormal position.

A number of factors may contribute to the inactivity of the smooth muscles and the lack of abomasal contractions. Some people think this is caused by a lack of calcium. However, before you start increasing the calcium content in your dry cow rations, remember that excess calcium can cause milk fever. So, the message is, be sure your dry cow rations are properly balanced.

Histamines caused from the consumption of improperly fermented feeds and aflatoxins from moldy feeds can also affect smooth muscular contractions; so will excess acid production in the ruen. Aflatoxins could have been a problem in some of our feeds this year as a result of this summer's drought.

Gases in the stomach and acid production in the rumen could be the result of feeding dry cows too much grain or too much corn silage, not acclimating dry cows to grain 2-3 weeks before calving, feeding fresh cows too much grain too soon after calving, feeding large quantities of grain at irregular times, and failure to buffer the rumen.

Large voids are created in the cow's body cavity after calving; this is accentuated if there is a lack of rumen fill due to cows being off feed.

What To Do

To help prevent some of these problems--

1. Feed dry cows some long-stemmed, digestible forage such as grass hay, and limit the intake of finely chopped forages and corn silage.

2. Properly balance the dry cow ration.

3. Feed good quality feeds free of molds and products of abnormal fermentation.

4. Acclimate dry cows to grain feeding about 3 weeks before calving and limit their intake to about 6 pounds per day.

5. If the lactating ration contains NPN or elevated levels of nitrates, acclimate dry cows to these feeds about 3 weeks before calving. Cows can utilize NPN and tolerate higher levels of nitrates if exposed to them gradually.

6. To minimize acid formation in the rumen, avoid feeding large slugs of grain at any one feeding. It is better to feed smaller quantities at more frequent intervals. For lactating cows a guideline is to offer cows no more than about 8 pounds per feeding.

7. Buffer the rumen by offering cows some hay or haylage before feeding them grain. As cows chew the hay crop forage they'll produce lots of saliva, which is an excellent, free and palatable buffer. The goal is to have a buffer in the rumen to quickly "neutralize" the acids produced from the digestion of grain. Another alternative is to add buffers to the ration.

8. Avoid pushing too much grain to cows too soon after calving. The main goal should be to get fresh cows to consume lots of good to excellent quality forages. This will encourage good rumen function which in turn favors better digestion, better appetites and greater dry matter intake. That should provide good rumen fill, good muscular contraction and minimize the accumulation of acid in the rumen.

9. Keep feeds fresh and keep mangers and water bowls clean to entice appetites. Minimizing stress on cows will also help. There are many forms of stress that affect cows at calving time including: infections, the act of giving birth, heat, uncomfortable and unsanitary surroundings, the social pressure of being exposed to new herdmates, new surroundings, new routines, new feeds, etc.

There is no guarantee these practices will prevent any DA problems you may be having. Nevertheless, they still deserve consideration as good general herd management practices, whether DA's are a problem or not.

Penn State Cooperative's Extension is an affirmative action, equal opportunity educational institution.

Sheep Producers To Vote On Pennsylvania Referendum

HARRISBURG — Pennsylvania sheep and lamb producers will vote January 9-23 on a proposal to establish a marketing and research program, state Agriculture Secretary Boyd E. Wolff said today.

Under the proposal, sheep and lamb producers would contribute 25 cents for each animal sold, Wolff said. The money would be used for promotion, education and research activities determined by a marketing board composed of affected producers.

"The provision for producer control of the program is in keeping with Governor Robert P. Casey's pledge to place the reins for all commodity marketing programs in the hands of the producers," Wolff said.

Wolff called for the referendum, provided for under state law, after hearing testimony from lamb and sheep producers in August. It will mark the first time that Pennsylvania sheep and lamb producers have voted on a state marketing program.

Wolff said the department will mail ballots and copies of the proposed program to approximately 3,800 producers statewide.

Producers who fail to receive a ballot and a copy of the proposal may call the department's toll-free number, 800/AG-PENNA. The material is also available in Room 303, Bureau of Market Development, at department headquarters, 2301 N. Cameron St., Harrisburg 17110.

Eligible voters are owners of sheep and lambs that were born within the state and those whose animals were born outside Pennsylvania but have been in the state for 30 days or more.

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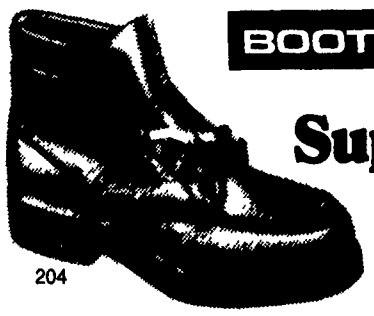

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Mitzel Elected To National Cattlemen's Board

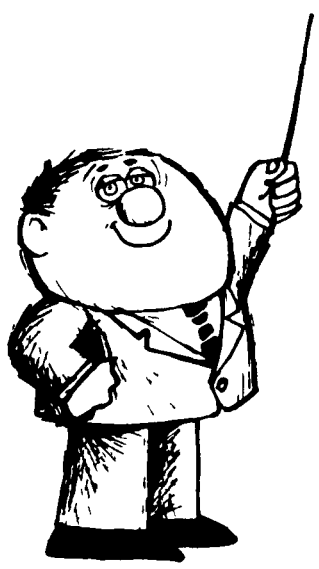
ROME, NY — At its annual meeting in San Diego, California the 113 members of The Cattlemen's Beef Promotion and Research Board elected New York dairyman Ralph G. Mitzel to its operating committee.
operating committee.

"There are two essential things to consider as I take on this extremely important responsibility," said Mitzel. "We have a very heavy concentration of consumers here in the northeast. Plus, the producers here contribute a good share of the money generated by the checkoff. I will be responsive to the needs and concerns of both the producers who fund the program and the consumers of our products."

The Beef Promotion Operating Committee consists of twenty members, ten representing the Beef Board and ten representing the federation of Qualified State Beef Councils. It has as one of its duties, the responsibility to contract with established national nonprofit industry governed organizations to implement programs of promotion, research, consumer information and industry information. Fifty Cents of every Beef Checkoff dollar goes to the Beef Board for National Promotion, Information and research programs. The other fifty cents remains the control of state beef councils.

"As a beef board member and now a member of the operating committee I feel we need to continue to tell the real story about beef and veal," said Mitzel. "One of the top priorities as I see it is... the need to inform consumers on the care of livestock and to insure them they are getting a safe and nutritious product."

Ralph has served on the Beef Board since it's formation in 1986, part of the 1985 Farm Bill. He is a director of and serves on the Executive Committee of the New York Beef Industry Council. Mitzel is also a member of The Veal Committee of The Beef Industry Council of The Meat Board and District One director for New York Farm Bureau. He and his son David milk 35 Holsteins near Lancaster, NY.



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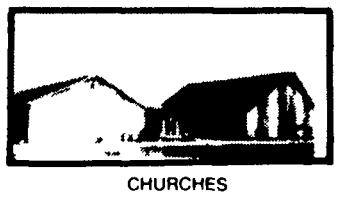
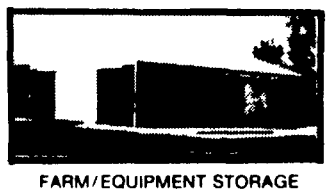


CHURCHES



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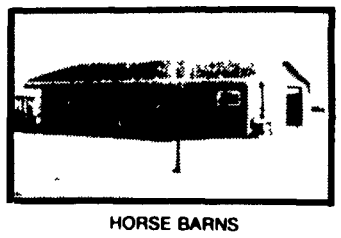
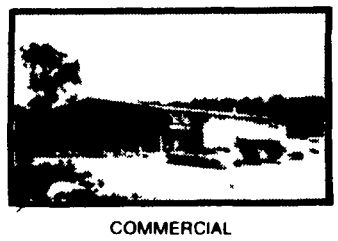


HORSE BARNS



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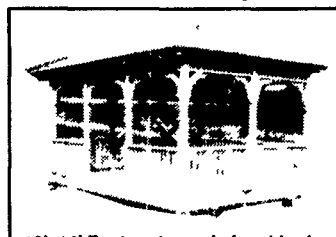
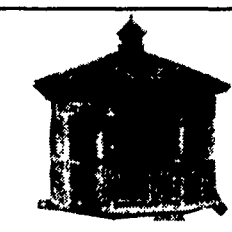


10'x14' Rectangle ready for shipping

10' Victorian Gazebo



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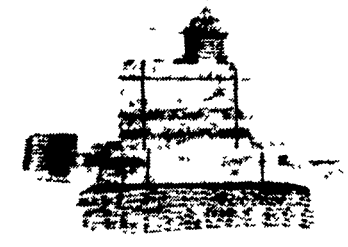

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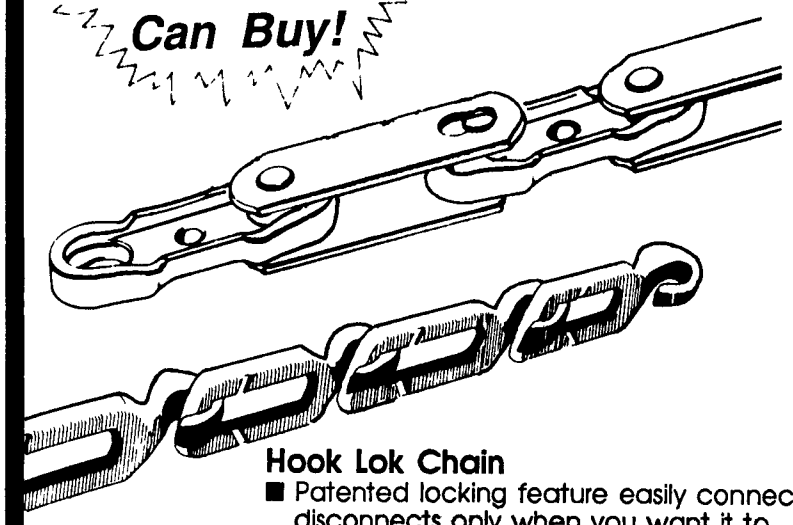

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Hook Lok Chain

- Patented locking feature easily connects/ disconnects only when you want it to
- Forged of heat treated high carbon steel
- Patented bolt on wear heel and paddle assembly for easy replacement
- The ideal replacement chain
- 10-year pro-rated warranty

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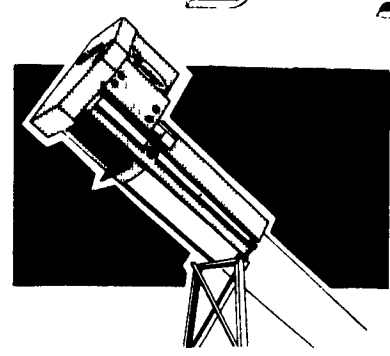

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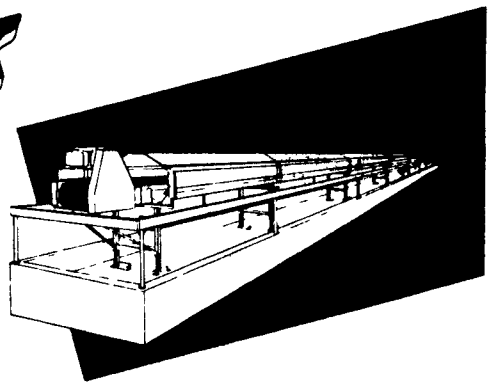

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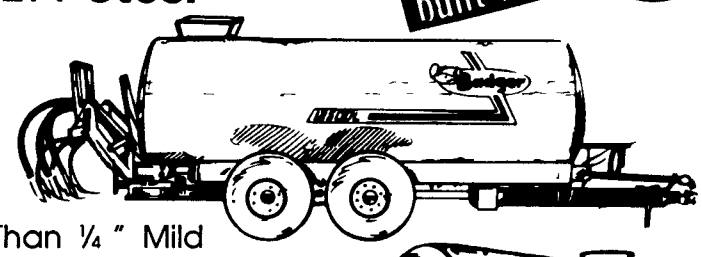

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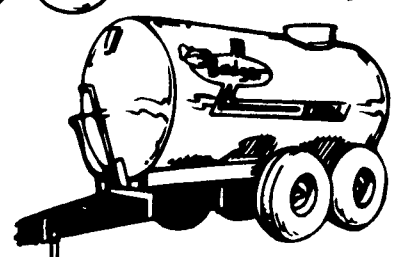

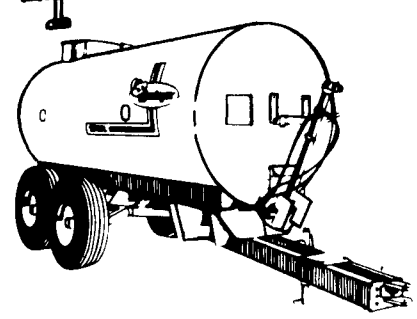

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Montour Co. DHIA

dhia Pennsylvania Dairy Herd Improvement Association

Monthly Report

October, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Carl R Slater & Son	3	35.8	91.3	24,074	855
Mar-Ja Farm	3	153.2	90.0	17,996	718
North Pine Dairy	B3	113.7	86.6	19,392	708
Daryl + Nancy Landis	B3	77.5	84.5	17,334	690
David Appleman & Son	B3	30.5	84.1	17,630	647
Keith T Fletcher	B3	58.6	88.7	18,224	647
Ralph Kitchen	B3	68.1	89.4	17,149	638
Limestone Run Farm	B3	55.9	84.2	17,645	635
Robert Waltimyer	B8	44.1	87.4	17,612	630
Ed & Maryann Baker	B3	71.0	89.7	18,431	628
Paul E Ross	B8	49.9	88.9	16,291	606
Lundy Brothers	B3	33.3	80.4	17,317	603
Buckeye Acres	B3	42.2	84.7	15,408	602
William A Vegh	B3	50.6	86.8	17,540	601
George Farms Inc	B3	72.6	88.5	16,088	593
Whitehall Acres	B3	37.2	82.2	15,314	589
Jean H Holstein Farm	B8	6.6	84.8	14,816	525
John S Zook	G3	46.3	85.6	16,180	529
C Wayne Lapp	9	52.2	87.0	13,679	509
Eli Y Hostetler	G3	22.9	79.3	14,253	507
Dml Brownswiss Farms	5	35.2	85.1	12,190	483
Eli J Hostetler	B3	32.2	85.2	13,099	463
Howard H Fenstemaker	B3	36.3	85.8	11,683	419

Sullivan County DHIA

October, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Ronald Hembury	3	106.9	90.8	21,426	801
D and D Hottenstein	3	63.7	89.1	21,168	798
Richard R Higley	3	94.3	84.9	19,444	758
Raymond Norconk	3	40.8	89.1	21,058	739
Lambert Farms	B3	154.2	89.8	18,812	710
Mount-Top-Vue Farm	B3	62.2	83.7	19,062	710
Joan M Woodhead	B3	32.0	86.1	18,162	695
Earl Insinger	B3	48.0	90.0	18,801	675
Bobwood-Acres	3	43.5	89.9	18,782	642
Stowell Farms	B3	41.1	81.1	17,966	609
Stowell Farms	B9	20.9	81.7	16,724	602
Carr + Stanton	B3	46.9	86.5	17,229	602
Jeff Gochnauer	B3	18.6	92.3	16,285	601
Warburton Farms	B3	95.7	87.6	17,995	596
William B Hart	B3	99.1	89.0	16,958	593
Randy Heess	B8	24.3	89.1	17,848	573

Lactations

D and D Hottenstein						
Larissa	3	4-3	305	19,733	4.7	932
Carmel	3	4-6	305	24,616	4.0	985
Lambert Farms						
Shena	3	4-1	305	21,951	3.8	850
Dinah	3	3-8	305	23,959	3.6	868
Ditto	3	3-5	305	22,372	4.1	937
Richard R Higley						
Bea	3	3-11	301	18,788	4.9	930
Raymond Norconk						
Pal		6-5	305	26,022	3.4	889
Mount-Top-Vue Farm						
Diane	3	11-5	305	20,432	4.2	870

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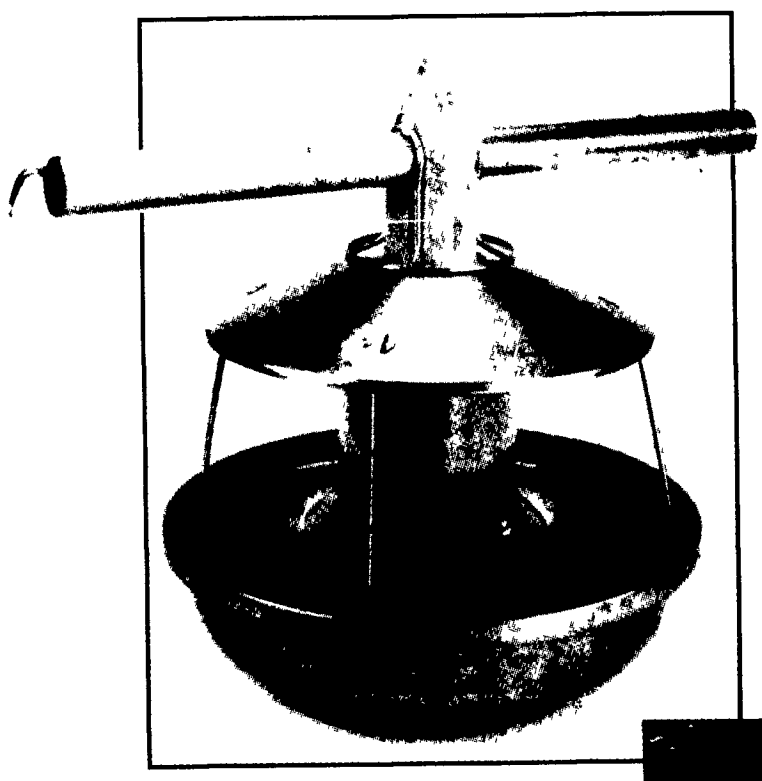

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1 The grower can more easily follow prescribed feeding practices and programs He has control of the system

2 Every feeder line accepts interchangeable pan sizes, medium depth and deep pans, Plus Big Dutchman offers "The Orange One," a smaller feeder with a more shallow 13-inch diameter pan for starting poults

3 Feed depth and flow are controlled by a single winch at the hopper end of the line Accurate settings are easy to make without time-consuming, one-by-one adjustments Only Big Dutchman offers this depth control feature

4 The Big Dutchman turkey feeding system has an outstanding capability for programmed feeding The cable adjustment mechanism allows the operator to fill all the pans in the line to maximum capacity when birds are first brought into the house As feed is eaten out of the pans, the adjustable skirt will move down to the pre-selected position

- Strong central core keeps the skirt aligned and holds pan and shield in position
- Large pan is extra deep, with feed-saving lip The large pan is 5 inches deep, medium pan is 3 inches deep
- Draw cable raises or lowers all pan skirts in the line Maximum feed flow opening is 4 5 inches
- Ample open space between the pan and the upper shield allows adult turkeys to eat comfortably
- Suspension of the plastic core is strengthened by steel hangers that engage the plastic core above the auger tube
- There are no small parts Assembly and maintenance are simple and easy
- Interchangeable pan sizes provide versatility, matching the feeding equipment to the needs and growth stages of the flock, from poults to heavy toms

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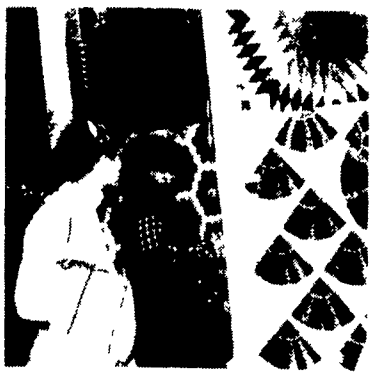

1989 Farm Show —

State Farm Show Complex *Harrisburg, Penna.*

Exhibition And Meeting Schedules

Show Building Layout

January 8-13

Hours:
1pm to 6pm, Sunday
8am to 9pm, Monday through Thursday
8am to 4pm, Friday
Free Admission- $2 parking per vehicle

Meetings Rooms A1-E are located on 2nd floor over the East Lobby PA Room located on Upper Con-courses of Large Arena.

SATURDAY, JANUARY 7, 1989
(show is closed - judging only)

9 am Swine Judging: Berkshire, Chester White, Duroc, Hampshire, Landrace, Poland China, Spotted, Yorkshire (in order)- Small Arena.
11 am Judging: Tobacco- West Lobby.
Noon Judging: Corn- West Lobby.
Noon Judging: Maple Syrup, Fruit, Nuts- East Lobby.
1 pm Judging: Hay- West Lobby.
2 pm Judging: Apiary Products- East Lobby.
2 pm Judging: Blue Ribbon Apple Pies- PA Room.
2 pm Judging: Potatoes- West Lobby.
3 pm Judging: Small Grains- West Lobby.
4 pm Judging: Mushrooms- West Lobby.
6 pm Judging: Carcass Lambs- Small Arena.

3 pm Cooperative Swine Breeders Association- Room B.
5:30 Pre-Farm Show Dinner- Marriott.

SUNDAY, JANUARY 8, 1989

8 am Judging: Live Poultry- Poultry Room.
9 am Judging: Vocational Horticulture, School Exhibits- Lower Concourse.
9 am Sheep Judging: Hampshire, Shropshire, Southdown, Suffolk, Cheviot, Dorset (in order)- Small Arena.
9:30 Judging: Vegetables- West Lobby.
11:15 Non-denominational Worship Service- Large Arena.
Noon Judging: Eggs- Poultry Room.
12:15 GRAND OPENING CEREMONIES- PUBLIC WELCOME- LARGE ARENA.
1 pm **DOORS AND EXHIBITS OPEN TO PUBLIC.**
1 pm Judging: Christmas Trees- Main Lobby.

9 am Suffolk Sheep Association- Room A1.
1:30 International 4-H Youth Exchange- Room C.

MONDAY, JANUARY 9, 1989
OLDER PENNSYLVANIANS DAY

8 am Judging: Eggs- Poultry Room.
8 am Judging: Dressed Poultry- West Lobby.
9:30 Draft Horse Judging: Belgian, Clydesdale- Large Arena.
9:30-4 Vo-Ag School Demonstrations- PA Room.
10 am Swine Sale: Poland China- Small Arena.
11 am Draft Horse Judging: Percheron- Large Arena.
11:30 Swine Sale: Chester White- Small Arena.
1 pm Swine Sale: Berkshire- Small Arena.
2:30 Swine Sale: Duroc- Small Arena.
3 pm Judging: Wool- West Lobby.
5 pm Sheep Judging: Rambouillet, Corriedale, Merino (in order)- Small Arena.
SECRETARY OF AGRICULTURE'S NIGHT- Large Arena.
4:30 pm Draft Horse Hitched Competition- Cart Classes.
6:40 pm Secretary's Welcome & Award Presentations.
7:00 pm Pennsylvania Lottery Drawing- Daily Number and Big 4.
7:20 pm Cumberland County 4-H Horse Club Drill Team.
7:50 pm Team Hitch Classes, 4-H Horse Hitch Classes.

1 pm State Grange- Room B.
1 pm Master Corn Growers Association- Room E.
4 pm Cooperative Swine Breeders Association- Room D.
6 pm Guernsey Breeders Board of Directors- Ponderosa.

TUESDAY, JANUARY 10, 1989

8 am Dairy Cattle Judging: Guernsey, Brown Swiss, Milking Shorthorn- Large Arena.
8:30-4 pm Vo-Ag School Demonstrations- PA Room.
9:30 Dairy Cattle Judging: Holstein- Large Arena.
10 am Swine Sale: Hampshire- Small Arena.
11 am Dairy Cattle Judging: Ayrshire, Jersey- Large Arena.
11:30 Swine Sale: Landrace- Small Arena.
1 pm Swine Sale: Berkshire- Small Arena.
2:30 Swine Sale: Spotted Swine- Small Arena.
3 pm Supreme Champion of Dairy Breeds- Large Arena.
6:30 Junior Sheep Blocking & Grooming Contest- Small Arena.
MASTER FARMERS NIGHT- Large Arena.
7 pm Folk Dance Festival & Contest.

8 am Society of Farm Women- Room D.
Noon Guernsey Breeders Board of Directors- Room A1.
Noon Guernsey Breeders Association- Room C.
1:30 Jersey Cattle Club- Room B.
3 pm Mid-Winter Meeting, Ayrshire Breeders Association- Room E.
6 pm Annual Meeting, Pa. Dairymens Association- Sheraton Inn East.
7 pm Annual Meeting, Pa. Angus Association- Holiday Inn (formerly the Host Inn).
7 pm Horse & Mule Association- Room E.

WEDNESDAY, JANUARY 11, 1989

8:30-11 Vo-Ag School Demonstrations- PA Room.
8:30 Junior Sheep Breeding Classes: Cheviot, Corriedale, Dorset, Hampshire, Merino, Rambouillet, Shropshire, Southdown, Suffolk, Montadale (in order)- Small Arena.
9 am Beef Cattle Judging- Large Arena. Polled Hereford, Limousin, Charolais (ring 1); Simmental, Angus (ring 2) (in order).
10 am Junior Market Lamb Classes- Small Arena.
1 pm Junior Lamb Showmanship Contest- Small Arena.
4:30 Championship Horse Pulling Contest- Large Arena. Lightweight Division, 6-Horse Hitch Demonstration, Heavyweight Division (in order).
6-8:30 Pennsylvania Sheep to Shawl Contest- Small Arena.
8:45 Auction of Shawls- Small Arena.

8 am Mid-Winter Convention, Future Farmers of America- Forum.
3 pm Charolais Association- Room B.
3 pm Limousin Association- Room C.
4 pm Simmental Association- Room A1.
7 pm Rabbit Breeders Association- Room E.

THURSDAY, JANUARY 12, 1989

8:30 Junior Beef Breeding: Angus, Charolais, Chianina, Limousin, Hereford, Polled Hereford, Shorthorn, Simmental (in order)- Large Arena.
8:30 Junior Market Swine Classes- Small Arena.
9 am 4-H Potato Grading & Identification- Room D.
Noon Junior Beef Steer Classes- Large Arena.
3 pm Junior Swine Showmanship Contest- Small Arena.
3:15 Grand Champion Steer- Large Arena.
3:45 Junior Beef Showmanship Contest- Large Arena.
6 pm Championship Pony Pulling Contest- Large Arena. Lightweight, Mediumweight & Heavyweight Divisions (in order).
7 pm Championship Bid Calling Contest- Small Arena.

8:30 Nut Growers Association- Room C.
1 pm Maple Syrup Producers Council- Room E.

FRIDAY, JANUARY 13, 1989

8:30 Dairy Goat Judging: Alpine, LaMancha, Nubian, Toggenburg, Other Purebreds, Recorded Grades (in order)- Large Arena.
10 am Sale of Champions and Reserve Champions- Small Arena.
11:15 Junior Market Swine Sale- Small Arena.
1 pm Junior Market Lamb Sale- Small Arena.
2 pm Junior Steer Sale- Small Arena.
4 pm Doors Close on the 1989 Farm Show.

SHOW IS CLOSED TO THE PUBLIC ON SATURDAY (JUDGING AND MEETINGS ONLY)

EXHIBITORS LIST

COMMERCIAL EXHIBITORS

Space No. 1 through 627 - Main Floor
Space Nos. 628 through 671 - East Building
Space Nos. N1 through N44 - North Building
Space in Large Arena indicated by U (Upper Level) or L (Lower Level)
Food Market Place - Separate Listing
Outside Spaces - Separate Listing
Commodity Booths and Church Booths - Separate Listings

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AAA Associates, Inc. 544, 545
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Adams County Nursery 638, 639
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Agricol Corp. 632
Agri Concrete Products N22
Agri. Stabilization & Conservation Service 628
Agri. Vendor U-6
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COMMODITY BOOTHS- MAIN FLOOR

Pennsylvania Cooperative Potato Growers
Pennsylvania Dairymens Association
Pennsylvania Livestock Association
Pennsylvania Mushroom Growers Cooperative Assn.
Pennsylvania State Beekeepers
Pennsylvania Poultry Federation
Pennsylvania Vegetable Growers Assn.
State Horticultural Assn. Of Pennsylvania

1989 FARM SHOW FOOD BOOTHS RELIGIOUS ORGANIZATIONS

Paxton United Methodist Church.
Mt. Calvery United Methodist Church.
Colonial Park United Church Of Christ.
St. Matthews Catholic Church.

COMMODITY BOOTH - MAIN FLOOR

Pa. Cooperative Potato Growers
Pa. Dairymans Association
Pa. Livestock Association
Pa Mushroom Growers Cooperative
Pa. State Beekeepers
Pa. Poultry Federation
Pa. Vegetable Growers Association
State Horticultural Association Of Pa.

RELIGIOUS ORGANIZATIONS - MAIN FLOOR

St Catherine Labourne Church
Derry Street United Methodist Church
Grace Evangelical Congregational Church
Epiphany Lutheran Church

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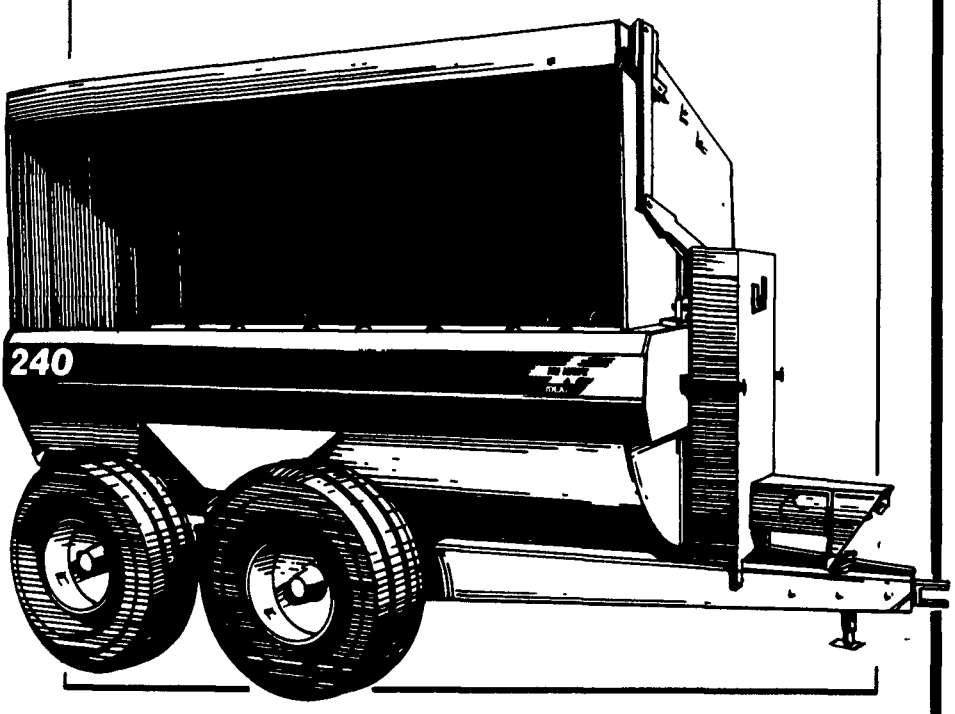
G's Caramel Corn 16
Groff's Candy 12
Groff's Snack Foods 20
Hall's Ice Cream 15
Hartman's Mill 14
Hatfield 1
Herr Foods 13
High Point Acres 6
Kitchen Kettle 3
Leo's Dairy 9
New Holland Meats 21
Nibble With Gibble's 23
Palmyra Bologna 24
Perry County Candies 19
Spring Glen Farm 5
T & J Meats 4
Daniel Weaver 2
L. D. Weaver 7
Weis 8

SPREAD's THE WORD



Spread's the word at Ideal Industries with a line of manure spreaders that are big on performance - but easy on your budget! Ideal's Nu Hawk flail tank spreaders offer a more efficient, less expensive solution to all your manure spreader needs. And Nu Hawk spreaders are competitively priced to provide a more economical way to fertilize and build up the organic matter in your soil.

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For more information on Ideal's new line of Nu Hawk flail tank spreaders, see your local Nu Hawk dealer.

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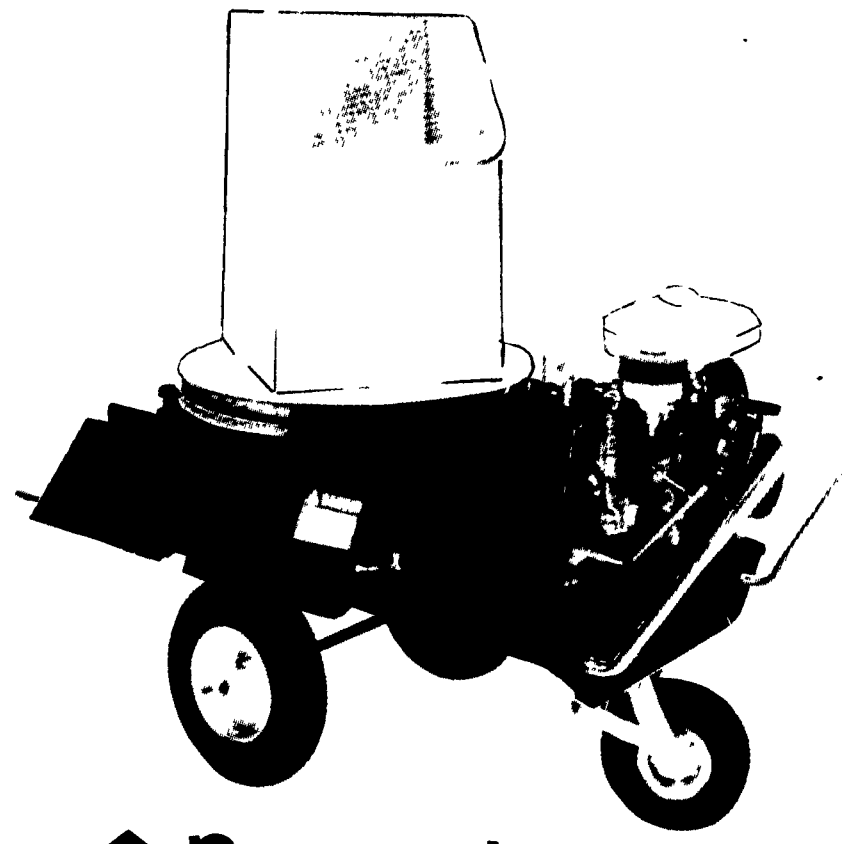
by IDEAL

DYNAVENT BEDDING CHOPPER



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- ❒ Will Save Up To 30% Of Bedding Uses
- ❒ Chops Straw Into Fine Particles
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BONITA feed conveyors are built for endurance and convenience

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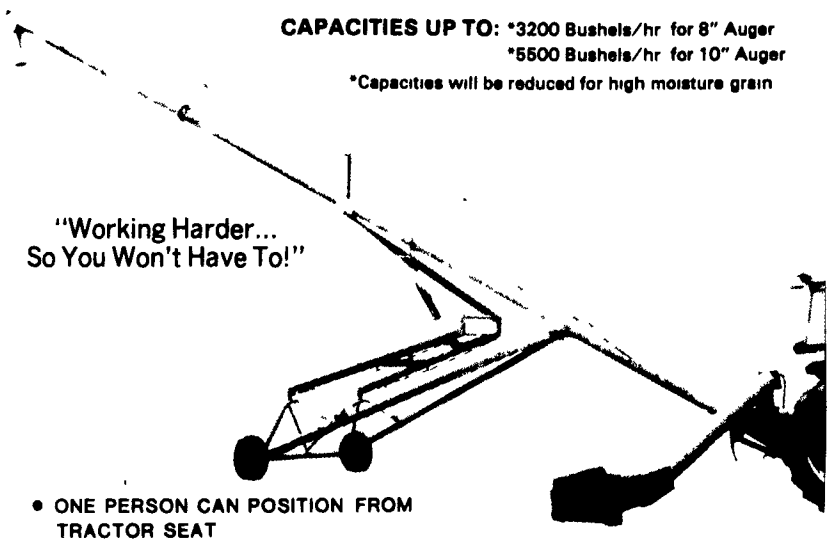

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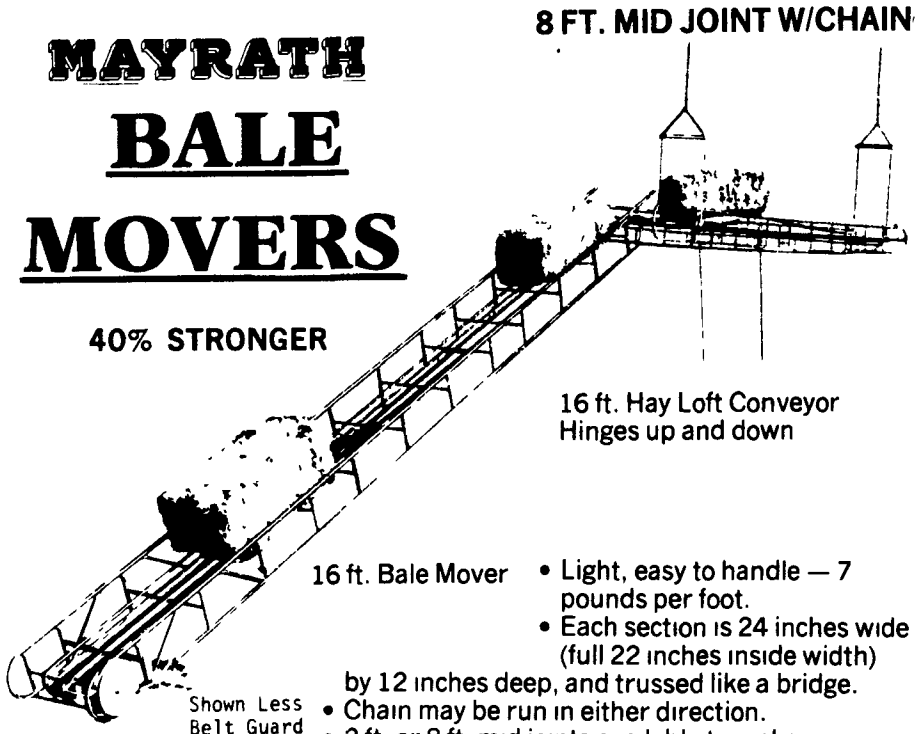
MAYRATH BALE MOVERS

8 FT. MID JOINT W/CHAIN



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- Chain may be run in either direction.
- 2 ft. or 8 ft. mid joints available to make any length desired.

Shown Less Belt Guard

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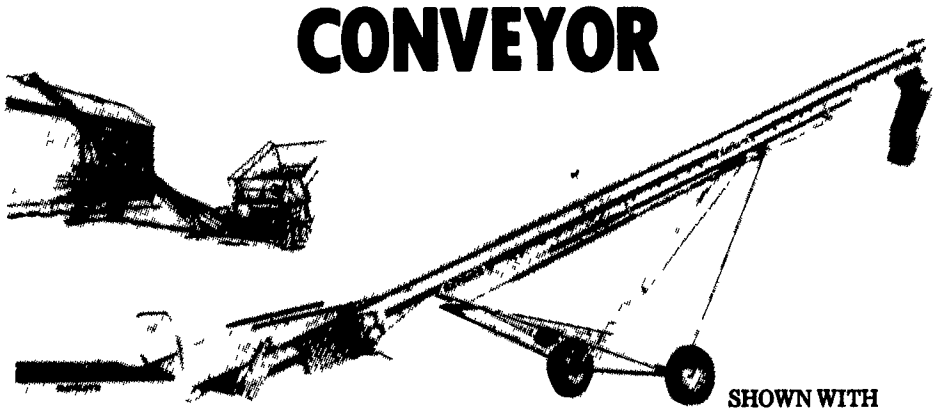

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Shreds Stalks

The perfect tool for fi

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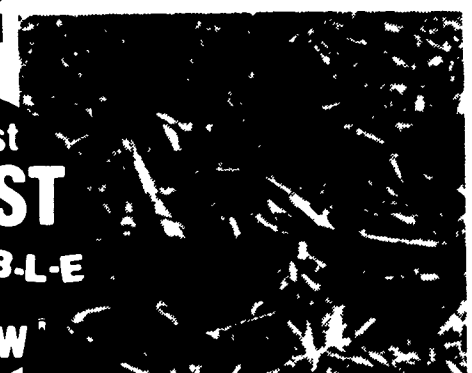

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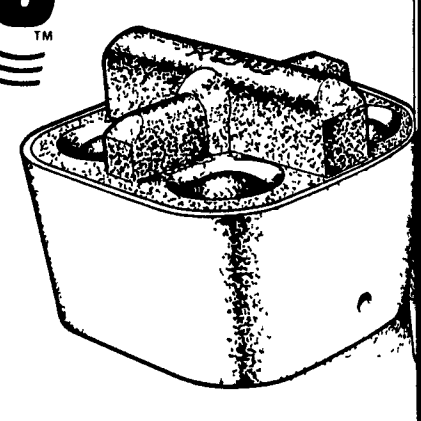
Brookville,

WATER PRO™



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Just add water!

Features:
- Energy Free!
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  Does not depend on water level to maintain seal.
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- Valve is anti-syphon non-float operated.
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...t Won't Plug Up!

...idge and minimum till

...uerst harrow cleans ridge tops, creating excellent ...ed. Unique "Spreading Action"® tines hug the soil ...ter speeds to shred and evenly spread no-till stalks ... spring.

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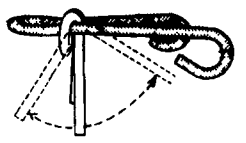

Free swinging tines
Fuerst's free swinging "Spreading Action"® tines make it the ONLY harrow that can effectively incorporate *and* shed trash.

Dozens of uses:

The harrow used behind a disc or cultivator, incorporates herbicides in one pass. Used alone, it covers broadcasted seed, renovates, maintains pastures and more.

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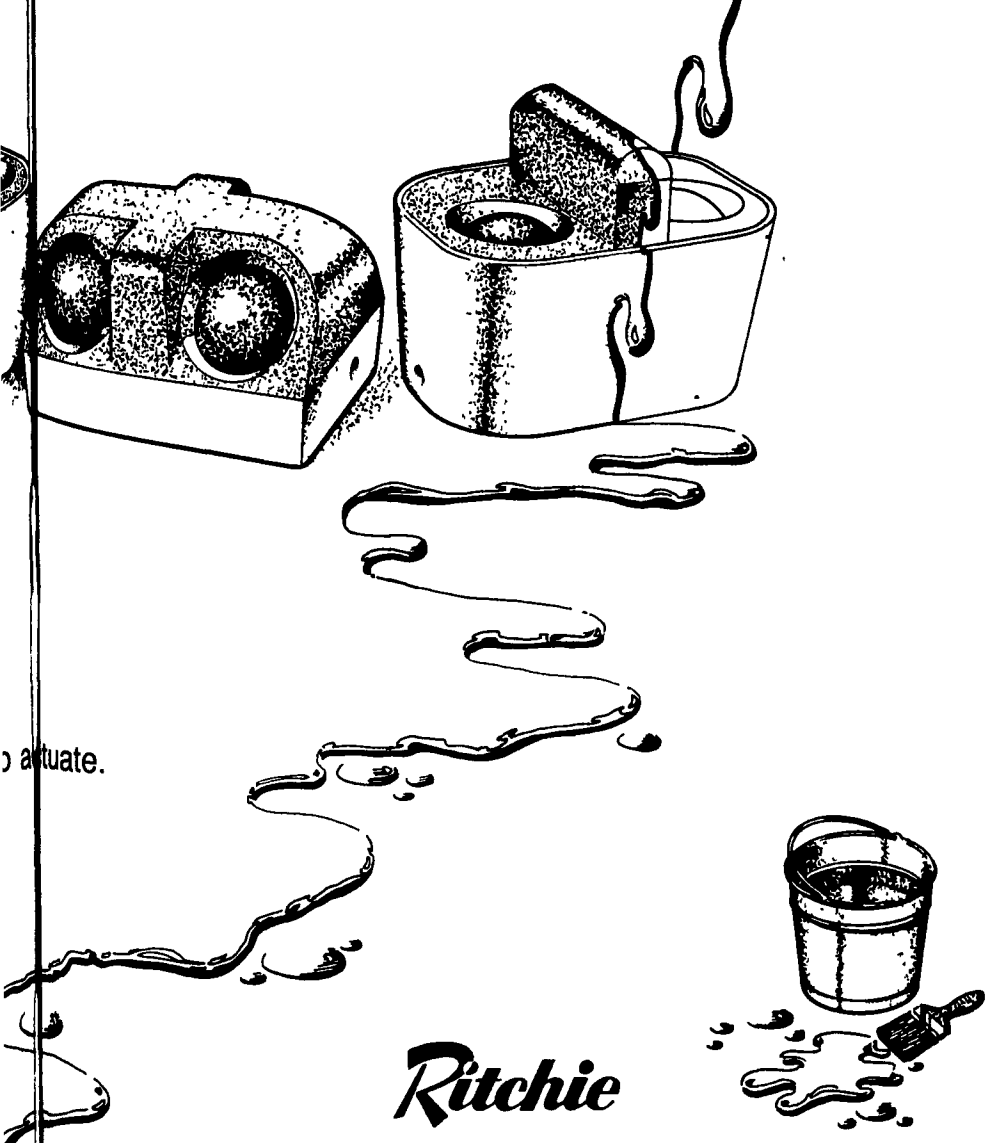

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ALL-FLEX CULTIVATOR NO. 1 WEED KILLER

New Flat-Free Tires **New Open-Top Dirt Shield**

Buffalo is the first name in Conservation Tillage and the Buffalo All-Flex Cultivator is the Nos. 1 weed killer. Unique stabilizing disk gives positive depth control, row units flex to adapt to field contour. Use as regular cultivator, for ridging or ditching in 4, 6, 8 or 12 row units. Sweep spring trip available. Rugged construction for long, trouble-free service. The Buffalo All-Flex Cultivator from Fleischer Mfg. is the way to go!

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Takes The Stress Out Of Cultivating

BIG BLOWER

UP TO 3600 BU./HR. PROCESSED AND DELIVERED TO THE SILO TOP

You get more feed processed with less horsepower with Automatic Big Capacity Roller Mill and the efficient 40-inch blower delivers it to the top of the tallest silo. One-fast-roll design handles any material, regardless of moisture content, without clogging or packing.

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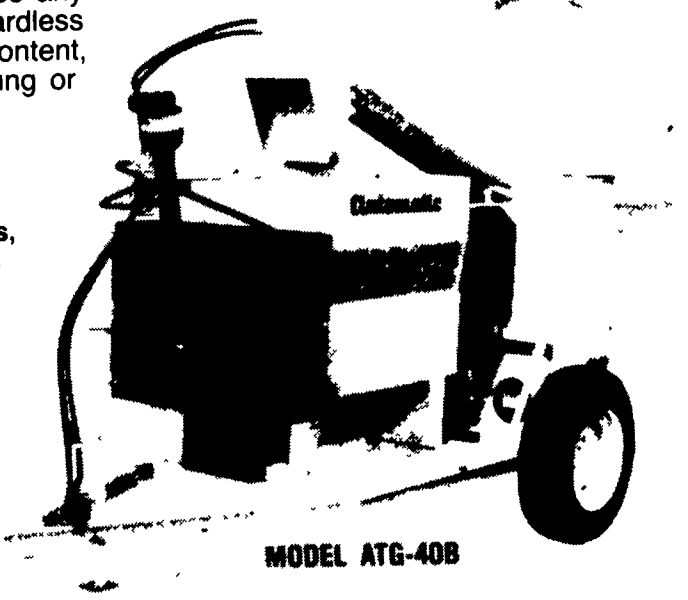
AVAILABLE IN MODELS TO PROCESS 2400 or 3600 BU./HR.



MODEL ATG-40B

Automatic Equipment Mfg. Co. Pender, Nebraska 68047

Automatic

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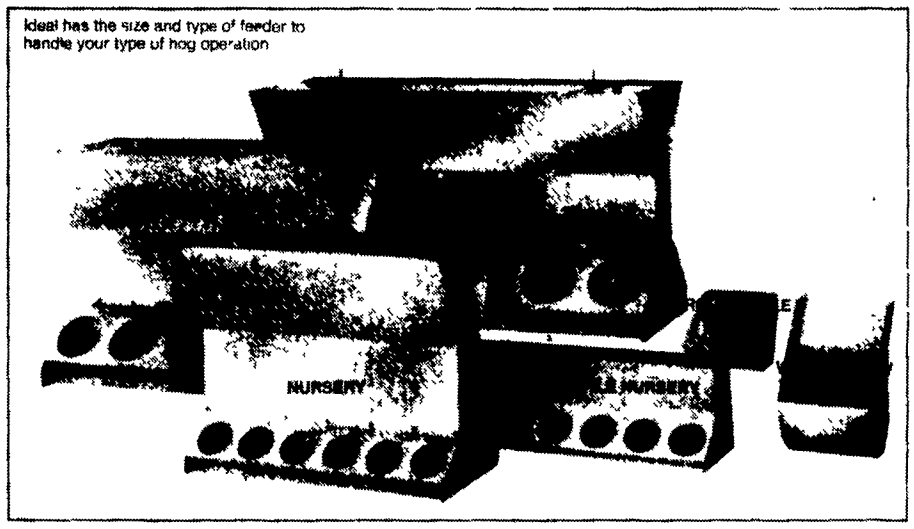
HOG FEEDERS



- Nursery Feeders
- Grower Feeders
- Finishing Feeders
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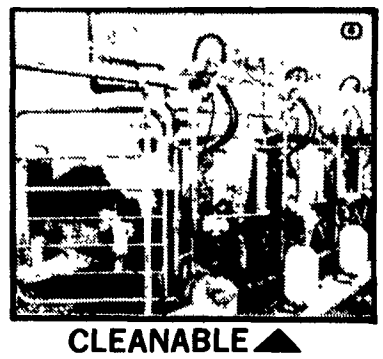
ELIMINATES THE EPOXY AND OTHER YEARLY COSTLY MAINTENANCE TO WALLS AND CEILINGS FOR FARM BUILDINGS



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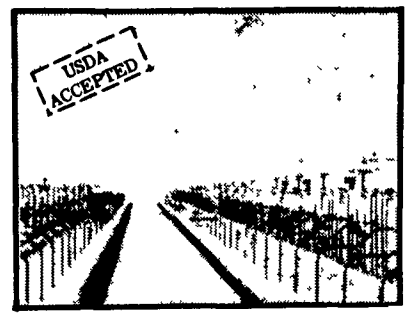

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MILKING PARLORS, HOLDING ROOMS, OFFICES, SLAUGHTER HOUSES

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- **WILL NOT STAIN, CORRODE**
- **RESISTS ANIMAL WASTES**
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3/32 & 1/8" THICKNESS, 4 x 8 FT. PANELS
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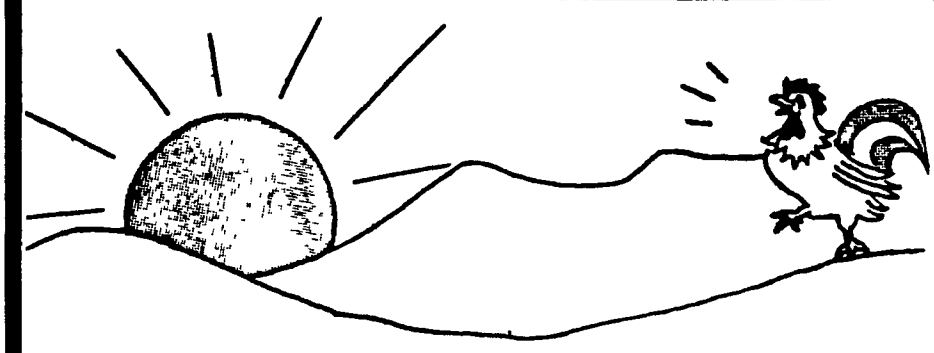
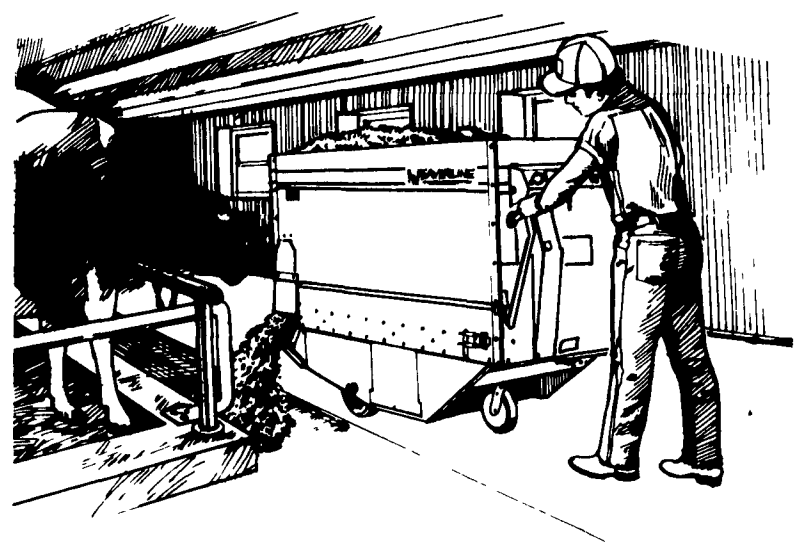


This Morning Over 3000 Dairy Farmers

from Maine to Minnesota — from the Canadian Provinces to the Maxon-Dixon Line —

turned on the key
of their Weaverline Cart
and fed the cows



Sounds of the morning in the dairy barn:

The hum of the milker pump, the click-clack of the pulsators.

The tinkling of the neck chains as each cow greets the Weaverline cart bring the first meal of the day.

You will *enjoy* feeding your cows with a WEAVERLINE Silage Cart!

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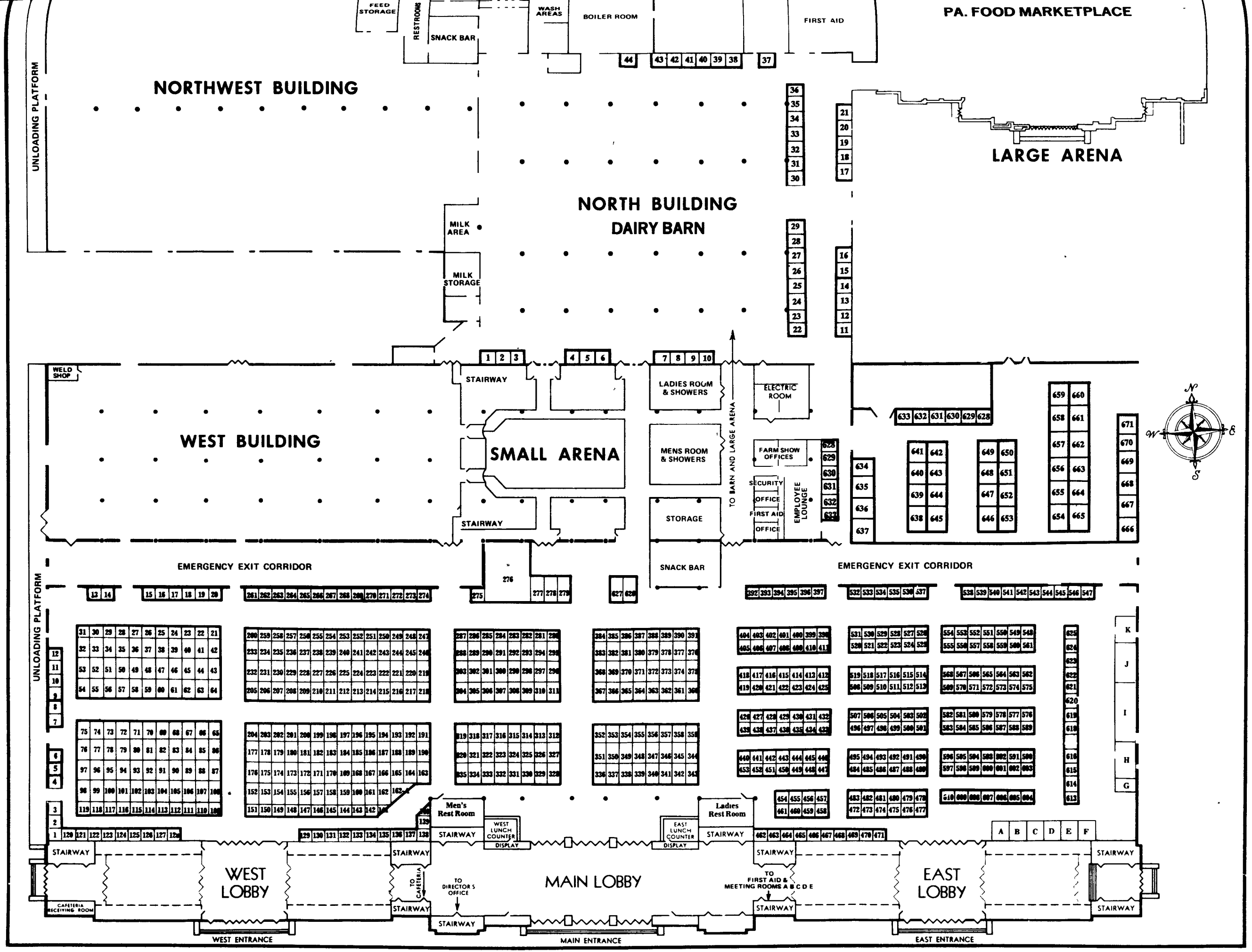
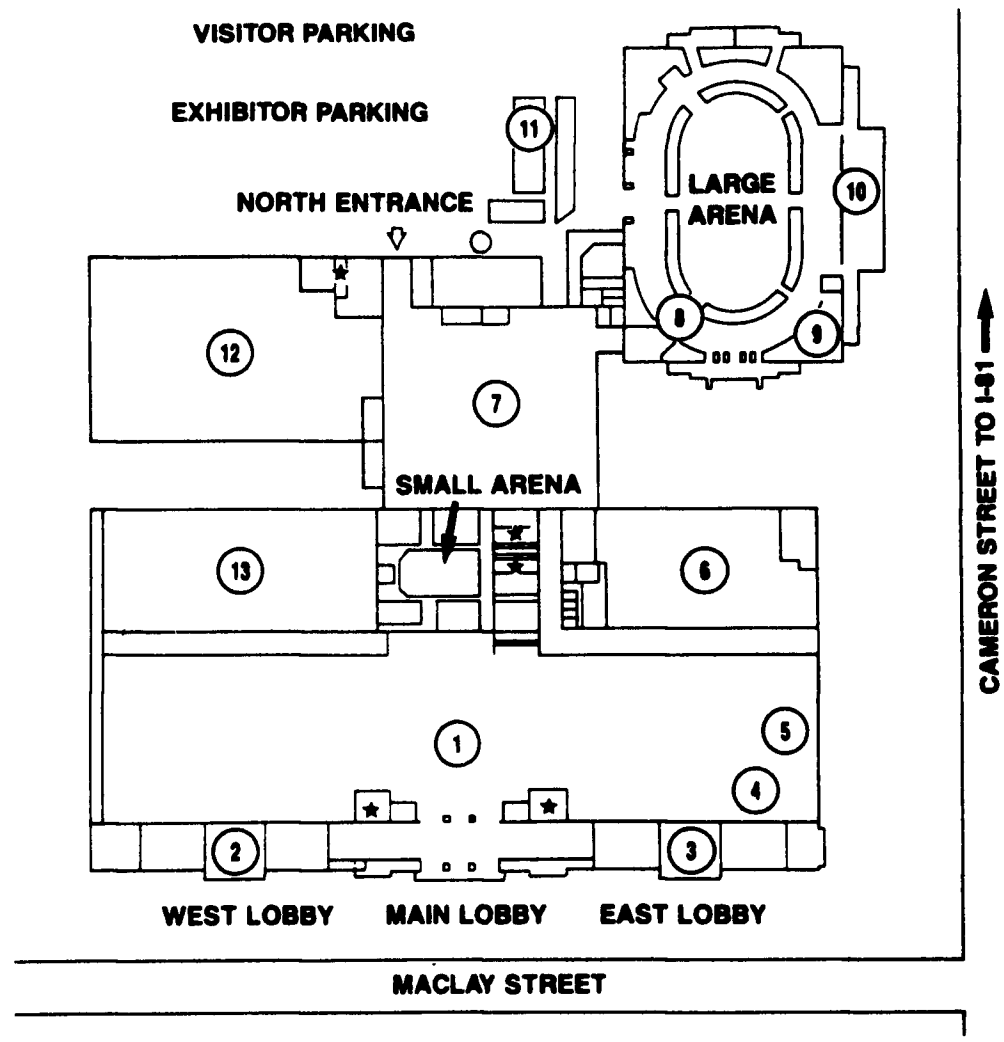


Lancaster Farming, Saturday, January 7, 1989-F27

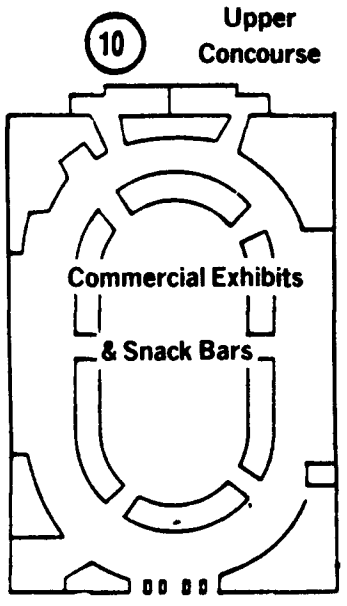
FARM SHOW COMPLEX

1 — MAIN EXHIBIT BUILDING
.....COMMERCIAL EXHIBITS
2 — WEST LOBBY
.....EXHIBITS
3 — EAST LOBBY
.....EXHIBITS
4 — CHURCH STANDS
.....FOOD
5 — COMMODITY STANDS
.....FOOD
6 — EAST BUILDING
.....POULTRY
7 — NORTH BUILDING
.....DAIRY CATTLE
8 — LOWER CONCOURSE
.....EXHIBITS
9 — FOOD MARKETPLACE
.....FOOD
10 — UPPER CONCOURSE
.....EXHIBITS
11 — OUTSIDE BOOTHS
.....EXHIBITS
12 — NORTHWEST BUILDING
.....HORSES & BEEF CATTLE
13 — WEST BUILDING
.....SHEEP & HOGS

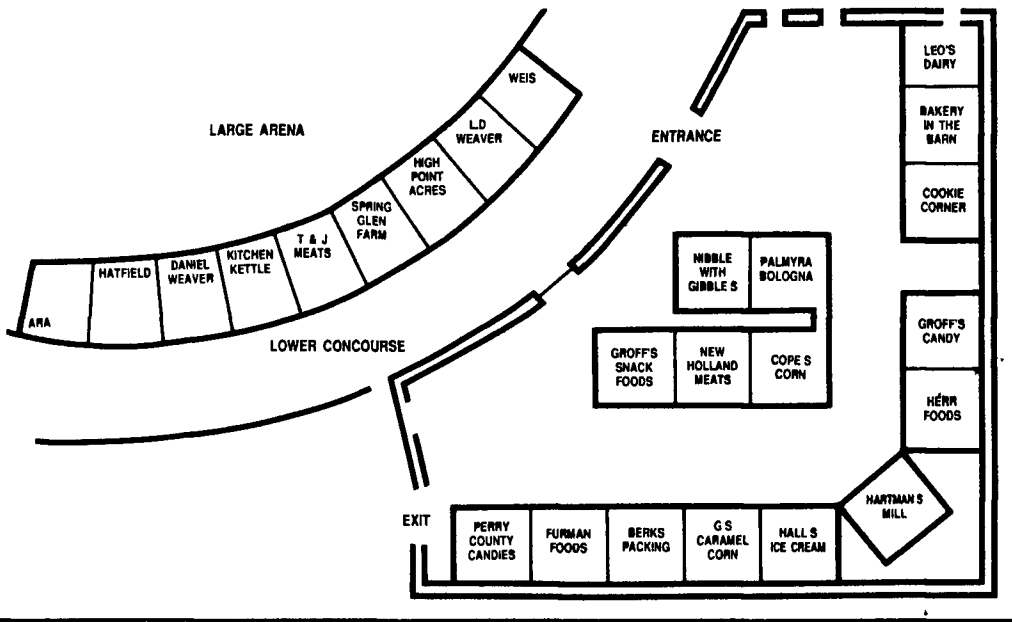
CAFETERIA, OFFICES & MEETINGS ROOM-
2nd FLOOR OVER LOBBY



**Note: The only places with 2 levels are arena and Maclay Street side (Lobby).



Food Marketplace
(1989 Keystone Showcase Of Processed Foods Participants)

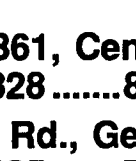
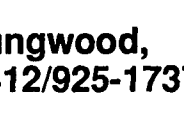


FARM MEETING SCHEDULE

Time	Saturday Jan. 7	Sunday Jan. 8	Monday Jan. 9	Tuesday Jan. 10	Wednesday Jan. 11	Thursday Jan. 12	Friday Jan. 15
8 a.m.				Society Of Farm Women — Rm D	Mid-Winter FFA Convention — Forum	**8:30 a.m.** Nut Growers Association — Rm C	
9 a.m.		Suffolk Sheep Association — Room A1					
10 a.m.							
11 a.m.							
Noon				Guernsey Breeders Board Of Directors — A1			
1 p.m.		**1:30 p.m.** Int'l 4-H Youth Exchange — Rm C	State Grange — Rm B Master Corn Growers — Rm E	Guernsey Breeders Association — Rm C		Maple Syrup Producers — Rm E	
2 p.m.				**1:30 p.m.** Jersey Cattle Club — Rm B			
3 p.m.	Cooperative Swine Breeders Assoc.—Rm B			Ayrshire Breeders — Rm E	Charolais Association — Rm B		
4 p.m.			Cooperative Swine Breeders Assoc. — Rm D		Limousin Association — Rm C Simmental Assoc. — Rm A1		
5 p.m.							
6 p.m.			Guernsey Breeders Board Of Directors Ponderosa	Dairymen's Assoc. — Sheraton Inn East			
7 p.m.	Pre-Farm Show Dinner — Marriott			Draft Horse & Mule Assoc. — Rm F Angus Association — Holiday Inn	Rabbit Breeders Association — Rm E		

Location Code: SA—Small Arena, LA—Large Arena, MSS—Maclay Street Side, LC—Lower Concourse, PR—Poultry Room, Pa.R—Pennsylvania Room in Large Arena.

1988 FARM SHOW JUDGING SCHEDULE

Time	Saturday Jan. 7	Sunday Jan. 8	Monday Jan. 9 (Older Pennsylvanians Day)	Tuesday Jan. 10	Wednesday Jan. 11	Thursday Jan. 12	Friday Jan. 13
8 a.m.	WELCOME	Live Poultry—PR	Dressed Poultry—PR	Dairy Cattle: Guernsey, Brown Swiss, Milking Shorthorn—LA 8:30 Vo-Ag School Demonstrations-Pa R	**8:30 a.m. Vo-Ag School Demonstrations-Pa. R. Jr. Breeding Sheep — SA**	8:30 Jr. Beef Breeding: Angus, Charolais, Chianina Hereford, Limousin, Polled Hereford Southern Simmental—LA 8.30 Jr. Market Swine—SA	**8:30 a.m. Dairy Goats: Alpine, LaMancha, Nubin, Toggenburg, Other Purebreds, Recorded Grades — LA**
9 a.m.	Swine: Chester White, Berkshire, Duroc, Hampshire, Landrace, Poland China, Spotted Swine & Yorkshire — SA	**4-H Horticulture Vocational — LC** **Sheep: Cheviot Dorset, Hampshire, Shropshire, Southdown, Suffolk — SA** **9:30 a.m. Vegetables — WL**	9.30 Draft Horse: Belgian and Clydesdale—LA 9 30 Vo-Ag School Demonstrations-Pa R	9:30 Dairy Cattle: Holstein—LA	Beef Cattle: Polled Hereford, Limousin, Charolais—LA Ring 1 Angus Simmental—LA Ring 2	**4-H Potato Grading — Rm D**	
10 a.m.			**Swine Sale: Poland China — SA**	**Swine Sale: Hampshire — SA**	Jr. Market Lambs—SA		**Jr. Market Swine. Lamb and Steer Champion Sale — SA**
11 a.m.	Tobacco — WL	11:15 Nondenominational Worship Service-LA	**Draft Horse: Percheron — LA** **11:30 a.m. Swine Sale: Chester White — SA**	Dairy Cattle: Ayrshire, Jersey — LA **11:30 a.m. Swine Sale: Landrace — SA**			11:15 Jr. Market Swine Sale—SA
Noon	Corn — WL Maple Syrup, Fruits, Nuts — EL	Eggs—PR 12:15 Grand Opening & Public Welcome—LA				Jr. Steer Show—LA	
1 p.m.	Hay — WL	Christmas Trees — ML	**Swine Sale: Berkshire — SA**	**Swine Sale: Berkshire — SA**	Jr. Lamb Showmanship—SA		Jr. Market Lamb Sale—SA
2 p.m.	Apiary Products — EL Potatoes — WL		**2:30 p.m. Swine Sale: Duroc — SA**	**2:30 p.m. Swine Sale: Spotted Swine — SA**			Jr. Steer Sale—SA
3 p.m.	Apple Pies — Pa. R Small Grains — WL		Wool — WL	Supreme Champion of Dairy Breeds — LA		Jr. Swine Showmanship—SA 3:15 Grand Champ Steer—LA 3:45 Jr. Beef Showmanship—LA	
4 p.m.	Mushrooms — WL		**4:30 p.m. Draft Horse Hitched Competitions, Cart Classes — LA**		**4:30 p.m. Horse Pull, Six-Horse Hitch — LA**		Doors Close
5 p.m.			Sheep: Corriedale, Merino, Rambouillet — SA	**5:30 p.m. Master Farmers Night — LA**			
6 p.m.	Carcass Lambs—SA		**6:40 p.m. Secty. of Ag Awards — LA**	6:30 Jr. Sheep Blocking & Grooming—SA	Sheep to Shawl Contest and Auction—SA	Pony Pulling Contest—LA	
7 p.m.			Pa. Lottery Drawing **7:20 p.m. Cumberland Co. 4-H Horse Club Drill** **7:50 p.m. Team Hitch Class**	7 00 Folk Dance Festival & Contest		Championship Bid Calling Contest—SA	
8 p.m.							

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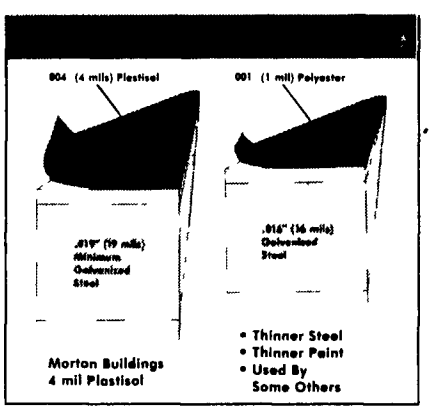
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001 (1 mil) Polyester
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Broiler Industry Should Market Value-Added Products

GEORGETOWN, DE — "To survive as a major economic influence (on Delmarva), the broiler industry must take advantage of the market for value added products." That was the challenge issued to Delmarva's poultry industry by Dr. James L. Heath, Professor and Poultry Products Specialist in the University of Maryland Department of Poultry Science. Speaking to the annual meeting of the Delmarva Poultry Industry, Inc. (DPI) Heath said changing lifestyles and demographics create a big opportunity for Delmarva's poultry industry.

A growing number of small households, more working women, an aging population and other factors have created a need for value added products. Many consumers, Heath said, want food items that have no mess, no preparation, are quickly cooked, have no residue, require no washup, are nutritionally balanced and are rated high in terms of quality and satisfaction. Chicken meets those requirements. He said the poultry industry can take advantage of the "snacking and grazing while on the go" method of eating of many Americans. The broiler industry cannot depend upon the fast food industry to develop food items that consist wholly or partially of chicken. The industry must be innovators in new product development and promotion. Heath cautioned his DPI audience not to depend on making a profit on a product somebody else has developed. The poultry industry must listen to the consumer and in this election year Heath said consumers vote every day on what products they will and will not consume.

Diet and health considerations play a role in food choices, Dr. Heath observed, and the broiler industry is in an excellent position to take advantage of diet and health concerns. He said fundamental thinking by the broiler industry should be reconsidered and company policies revised to recognize that consumers' health and well being are driving forces for agriculture and agribusiness industries. To fuel this revolution in the food industry, continuous innovations and improvement in food processing technology are necessary. Heath said the broiler industry has an excellent record in inventing and using new technology and this will lead to the development of value added products. Many of the tools needed by the broiler industry on Delmarva to enter the value added market are available and tested. He asked the DPI Directors whether Delmarva is going to sell chickens to other companies and let them take advantage of the new technology or will Delmarva move ahead and recapture the leadership role for the broiler industry. The agriculture production industry is valued at $100 billion. The industry that is generating value added products is worth $400 billion dollars and Heath said Delmarva's poultry industry must get a larger share of the $400 billion food industry.

How can the move into value added products be accomplished? Heath pointed out that Delmarva is served by three major universities, state departments of agriculture, a substantial USDA research and service establishment and DPI, which he said provides leadership, organization, educational and promotional activities, and abilities that are the best in the industry. These are huge assets that no other major poultry producing area can match and when the broiler industry on Delmarva commits to a move into value added products, this complex of education, research and service must be employed.

Heath said to provide what consumers want, the industry and the research institutions have developed methods to extend shelf life of fresh foods using controlled atmospheres and irradiation. Research in plastics and other packaging materials has led to the development of containers that discourage microbial contamination. He said many challenges of this type lie ahead and he encouraged Delmarva's poultry industry to meet those challenges.

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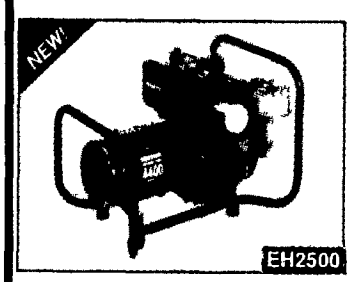
HOMELITE® Generators



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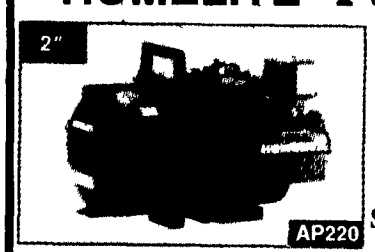

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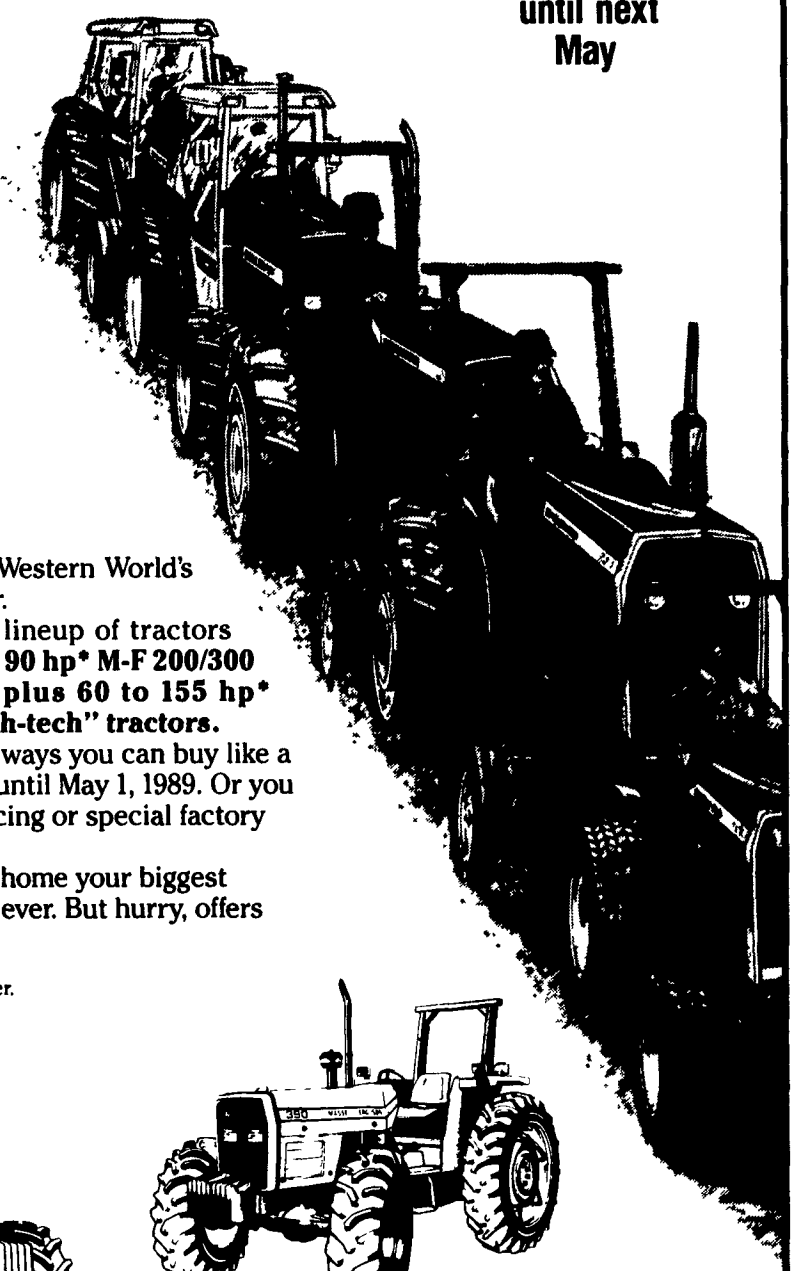

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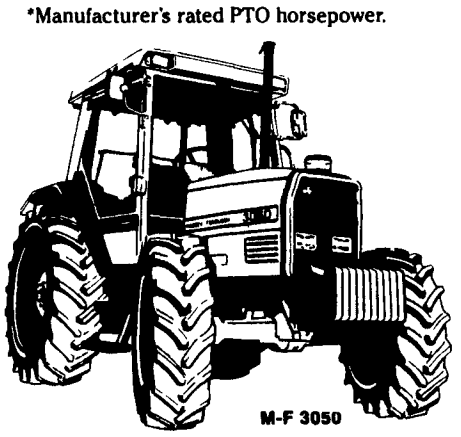
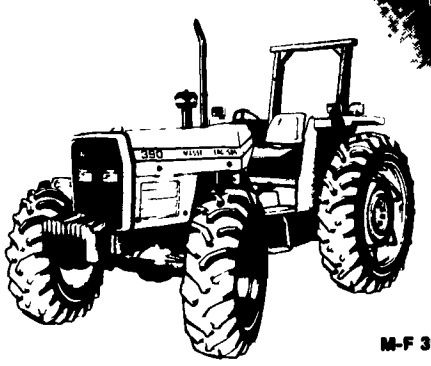

M-F 3050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MAMMA & Temple University Team Up To Promote Milk

TOWSON, MD — The Middle Atlantic Milk Marketing Association (MAMMA) has teamed up with Temple University basketball to promote milk in Greater Philadelphia. MAMMA has produced three all new 60-second radio commercials as part of the advertising package that began November 10 and continues until the end of the basketball season in March.

Each commercial is a comical monologue, with the narrator extolling the benefits of drinking milk as proven down through the annals of time. The humorous, albeit slightly twisted, announcer explains how history has taught us that those persons, races or countries, that were milk drinkers have triumphed over their non-milk drinking rivals.

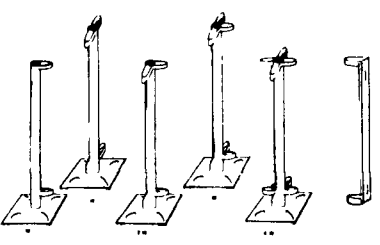
The commercials are run four times during each radio broadcast of Temple Owl's home and away games on WCAU-AM in Philadelphia.

Fans attending home games at McGonigle Hall in Philadelphia, will see a print ad for milk in the Temple Program Book. The ad pictures a carton of whole, lowfat and skim milk, touting them as "FITNESS EQUIPMENT."

MAMMA has produced an "Owl Towel" as a promotional giveaway item to fans attending the February 9 game vs. George Washington University. Each fan that enters McGongile Hall for the game that night will receive the towel compliments of MAMMA and the Owls. The sports hand towel is imprinted with MAMMA's and the Owl's logo, and the slogan, "Milk. It's Fitness You Can Drink." It is designed to serve as a reminder to drink your milk to stay fit.

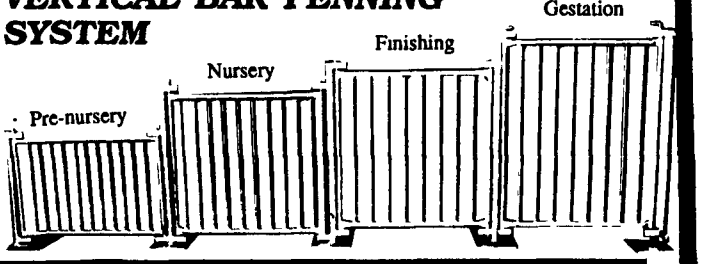
HOG CONFINEMENT EQUIPMENT

Discounted Factory Direct Prices



Post, Brackets, and Accessories.

VERTICAL BAR PENNING SYSTEM



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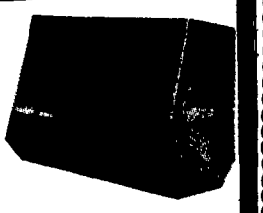

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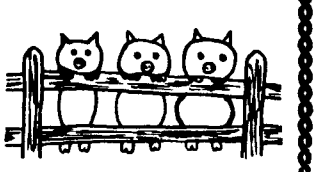
This Little Piggy Went To Market,
This Little Piggy Stayed Home,
This Little Piggy Had...
ROASTED SOYBEANS



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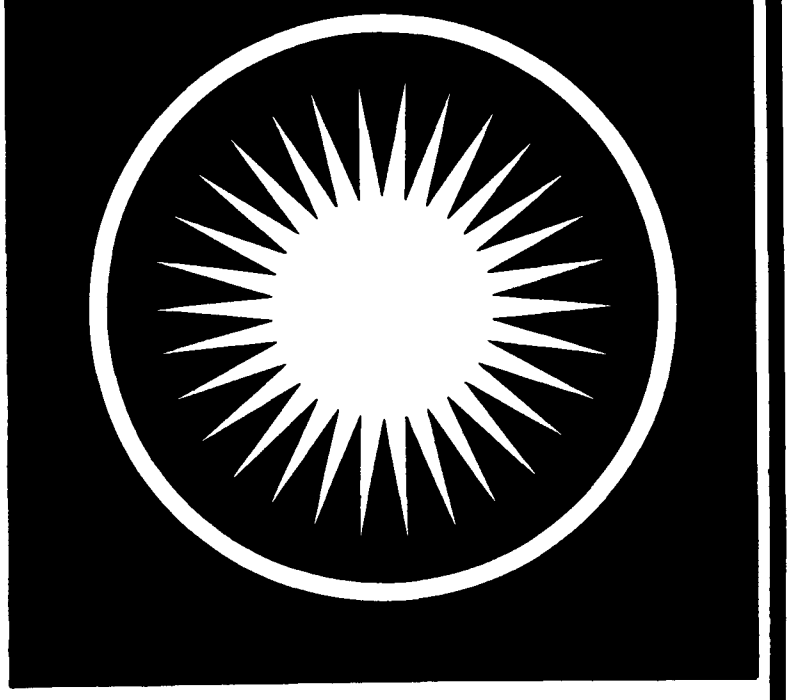

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International Impact On Agenda For Corn & Soybean Conference

COLLEGE PARK, MD — "What is happening abroad that will impact our future farming practices?" "Can we afford to become more isolation minded?" "Why should we be interested in the world, other than in direct trade?" "Why is economic development in the Third World important to us?"

These are the questions which Dr. Robert G. Chambers, a recent senior staff economist for the President's Council of Economic Advisers, will address in the keynote address during the ninth annual Delmarva Corn & Soybean Technology Conference. The day-long event is scheduled Feb. 8 in its usual location, the Wicomico Youth & Civic Center at Salisbury.

A native of Montgomery County, Dr. Chambers is currently a professor of agricultural and resource economics at the University of Maryland in College Park. He holds a baccalaureate degree in international relations from Georgetown University; M.S. and Ph.D. degrees in ag economics from the University of Maryland and University of California, respectively.

Other speakers during the corn & soybean conference will direct their attention to pest management, crop rotation, biotechnology, grain marketing, sorghum production, nutrient management and mycotoxins.

A concurrent family-oriented morning program will have speakers addressing financial liability problems of farmers and how to reduce the risks.

The conference is sponsored each year by agribusiness firms serving the Delmarva area and by the Cooperative Extension Service at land-grant colleges in Delaware, Maryland and Virginia. W. James Milliken, an Extension agricultural agent in Kent County, Md., is the planning committee chairman. He expects more than 1,000 persons to attend.

Activities at the February event will get under way at 8:30 a.m. with free coffee and doughnuts and a chance for farmers to visit more than 50 commercial and educational exhibits. The program itself will run from 10 a.m. to 2:45 p.m., with 45 minutes off for lunch.

Noon lunch tickets must be purchased by Jan. 27. They are available at $3 apiece from county offices of the Cooperative Extension Service throughout the Delmarva area.

Olympic Coach Thompson Touts Milk

TOWSON, MD — John Thompson, the renown basketball coach for the '88 U.S. Mens Olympic Team and for the Georgetown Hoyas, is coaching Hoyas fans to drink milk and stay fit. Thompson, who drinks a quart of milk after games to relax and refresh, lends his highly credible endorsement of milk to a total milk promotion package with the Hoyas sponsored by the Middle Atlantic Milk Marketing Association (MAMMA).

MAMMA's advertising package with the Hoyas includes prime placement of a 30-second television commercial during each telecast of Georgetown's games on Home Team Sports. Thompson is the featured spokesman for milk in the commercial that depicts him coaching collegiate players and taking time out to drink milk. The commercial is also being run during all the Hoyas home games on Telscreen in the Capital Centre. Included in the package is a full-page print ad in the Official Georgetown Game Program that pictures a carton of whole, lowfat and skim milk, touting them as "FITNESS EQUIPMENT." Banners printed with MAMMA's campaign slogan, "Milk. It's Fitness You Can Drink," hang in Washington's Capital Centre throughout the basketball season. Public address announcements and Telscreen messages also flash the milk-fitness theme throughout the games.

Thompson's leadership abilities and dedication to academic excellence in his players, make him a respected and credible spokesman for milk, particularly in the Washington market. Washington is the second largest consumer market in the Federal Order #4, Middle Atlantic Milk Marketing Area, drawing milk to feed its consumers from farms in central Pennsylvania to central Virginia.

MAMMA is the dairy farmer funded and directed agency, responsible for advertising and promoting milk and dairy products in the Mid-Atlantic for the benefit of the dairy farmers of Federal Order #4.

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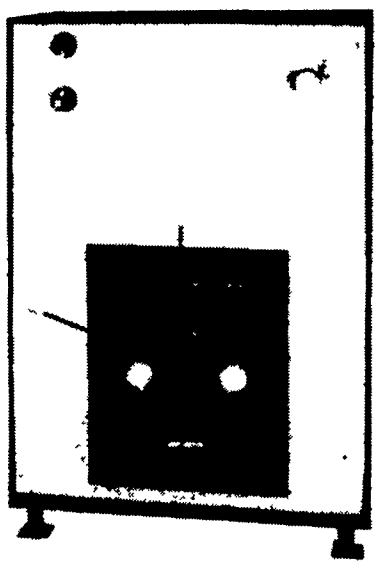

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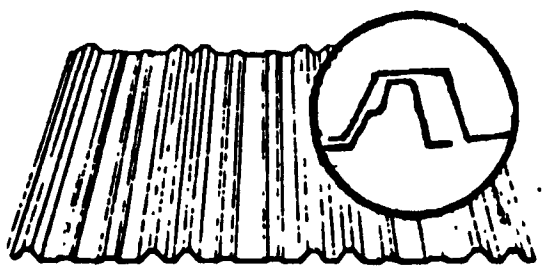

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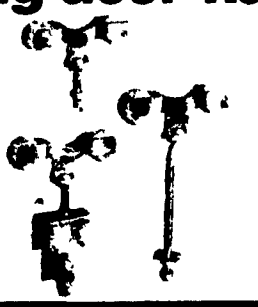

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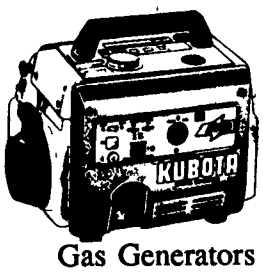

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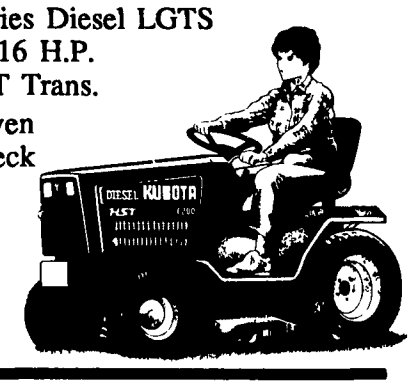

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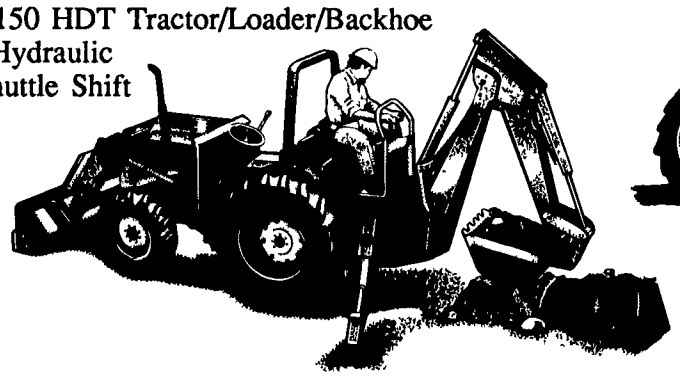

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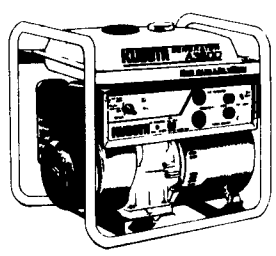

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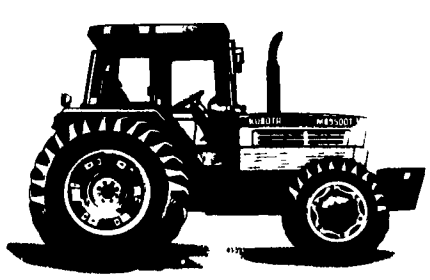

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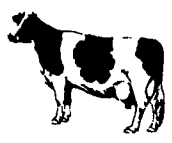

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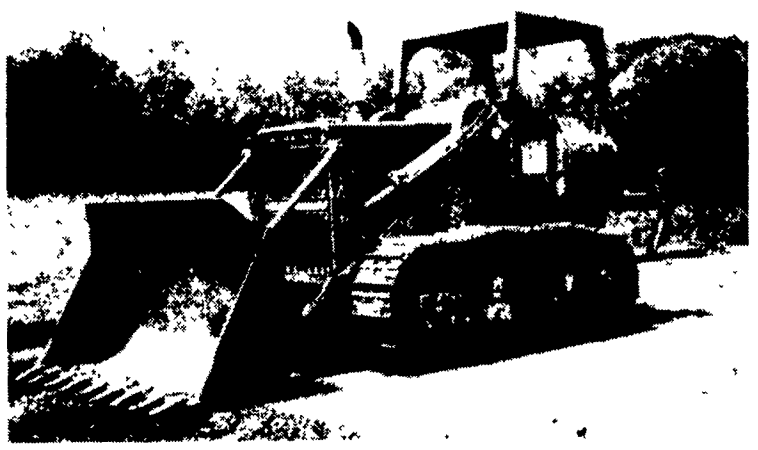

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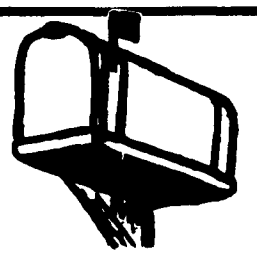

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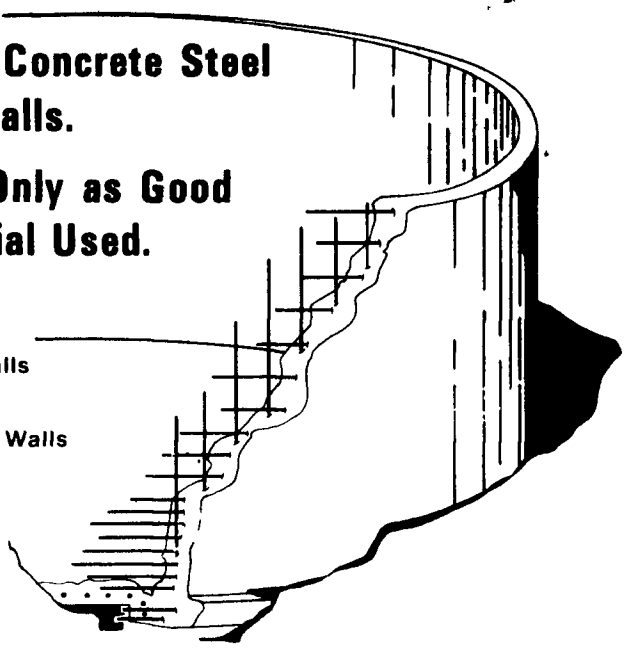

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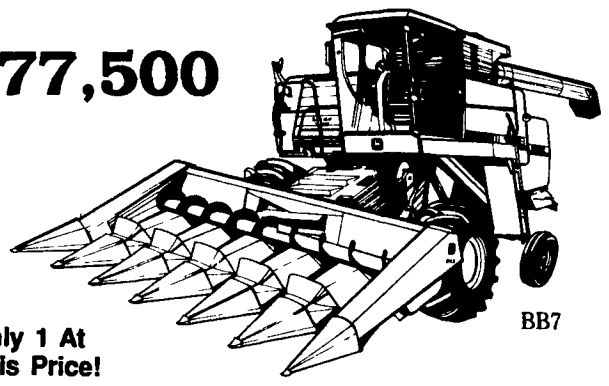

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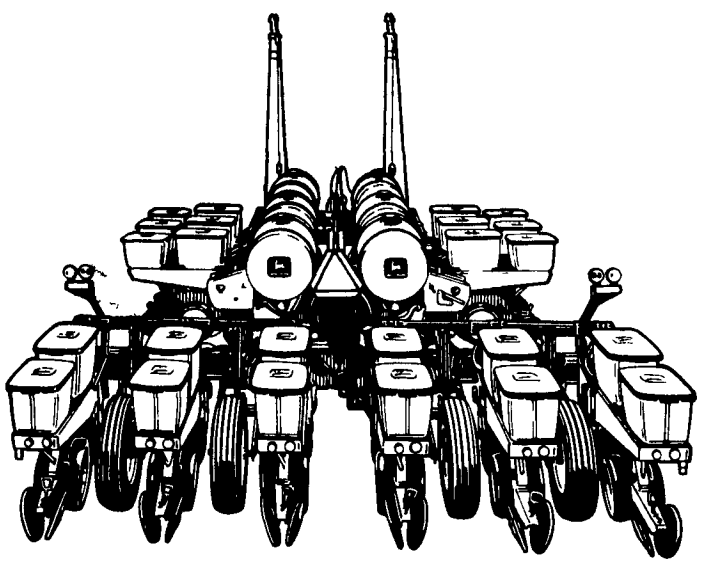

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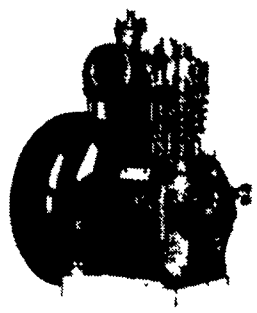

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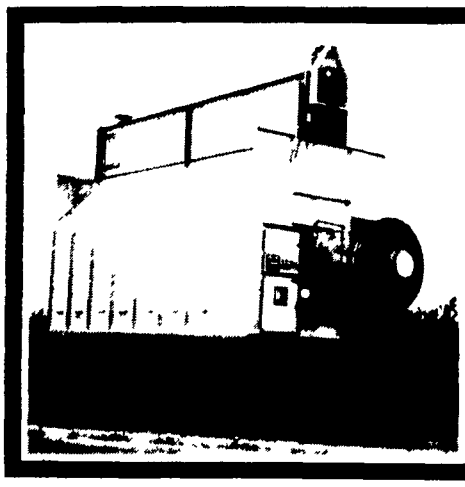

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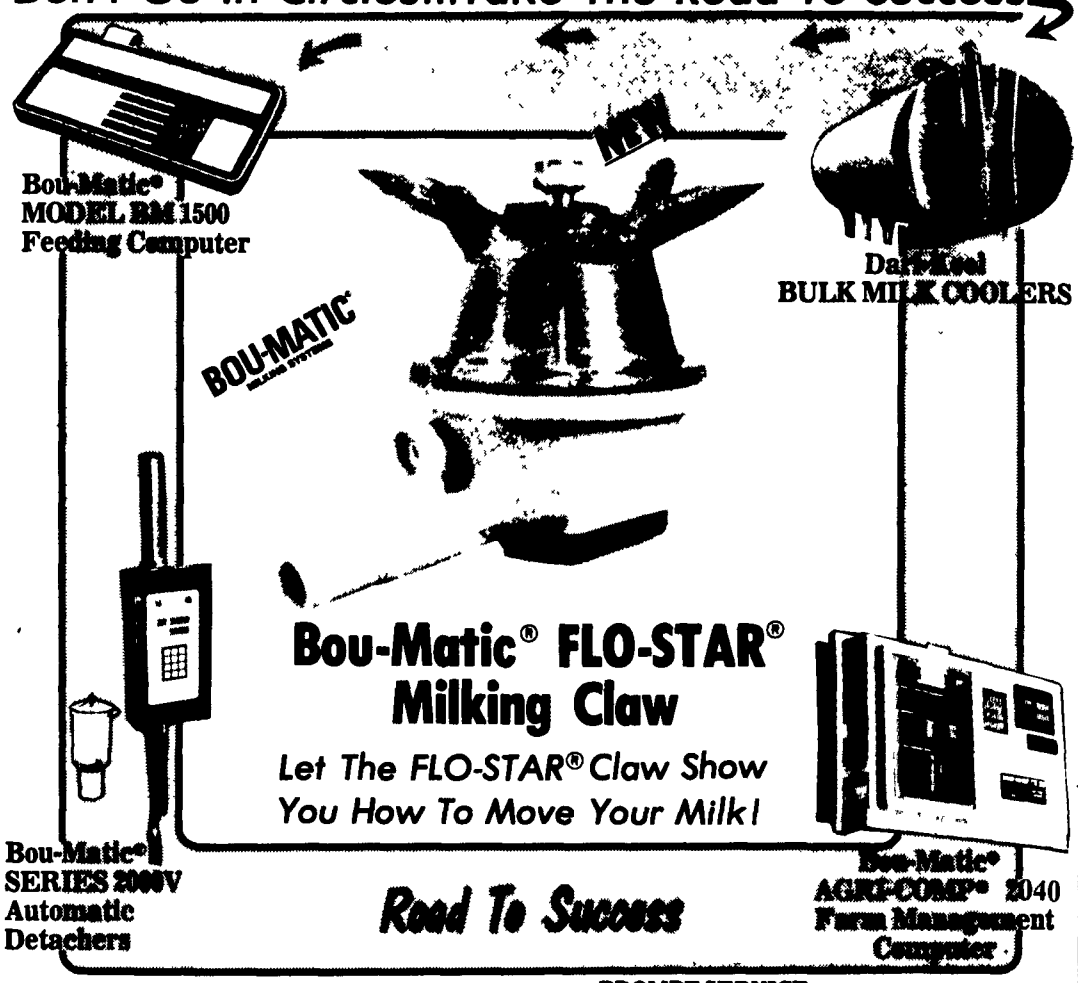
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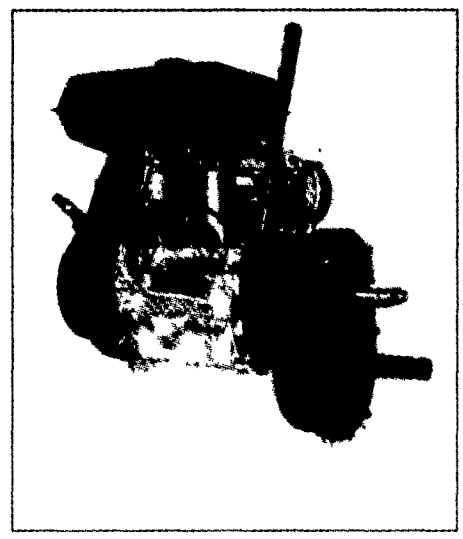
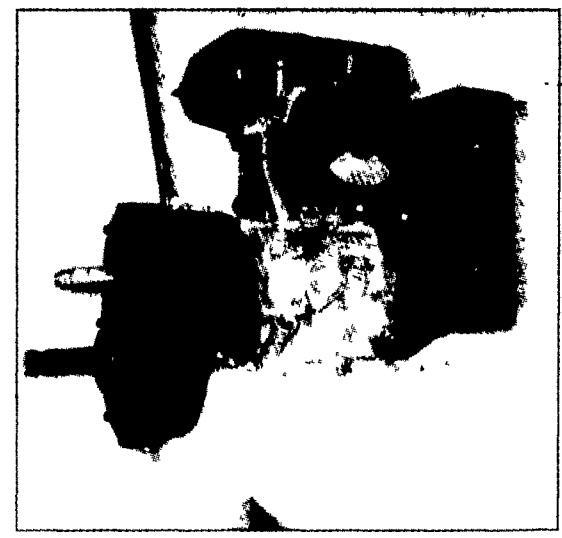
8½ HP Kawasaki Gasoline Engine With Clutch & 6 to 1 Reduction





Specially designed shaft to power hydraulic pumps, etc.

This unit is basically designed to transmit power from engine to power take off shaft equipment. The reason for this design, an extra shaft is built into this unit so power can be transmitted to the hydraulic system by using belts and pulleys. This shaft is placed above the splined shaft, and runs hydraulic pump with or without power take off shaft in gear. No need to take the rope rewind starter off to mount pulley on front of the engine. This simple design eliminates special machined pulley adaptors. Reduction housing and cover is a rugged cast iron construction. All shafts are of special selected steels and are heat treated and hardened at wear points. All ball and needle bearing construction for long life. A heavy-duty ball-loc type clutch is used. This unit has few moving parts, thus it should give many years of service. Clutch adjustments are made from the outside, (very simple).

A specially selected engine, the Kawasaki KF-82 8½ HP, is used for your convenience. The engine is also made with rugged construction, and has smooth operation. This engine has high torque at low RPMs, thus is well adapted to the clutch and reduction unit.

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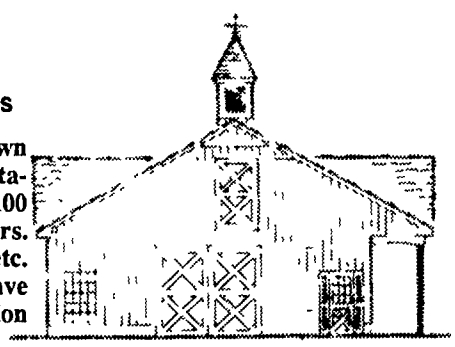

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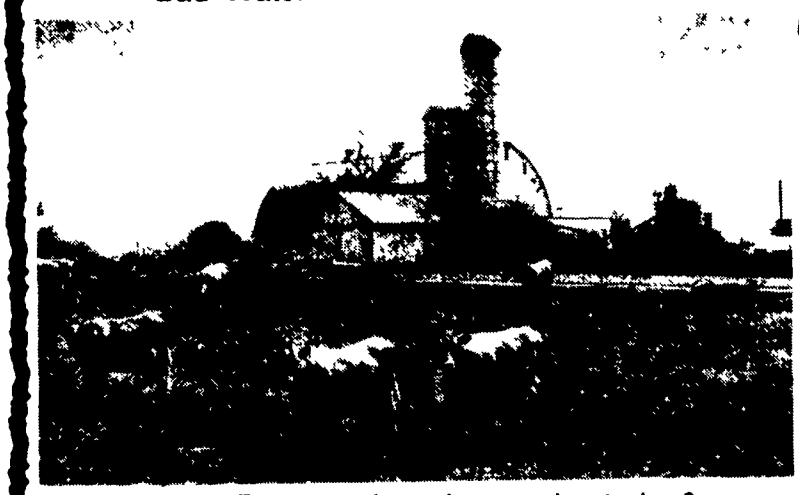

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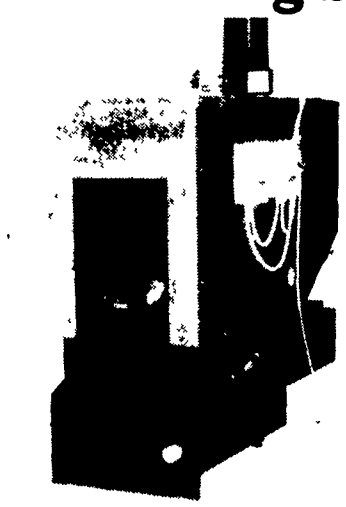

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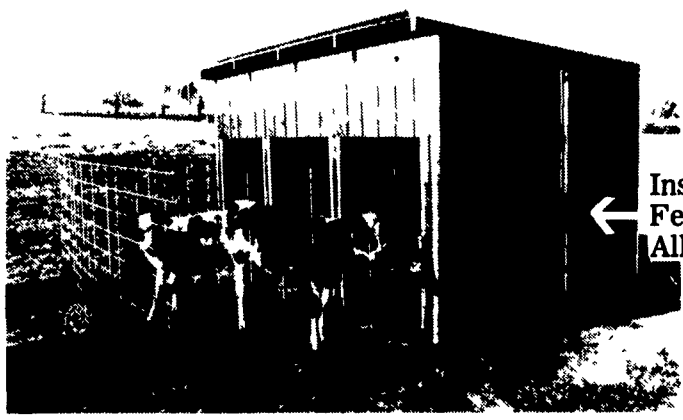
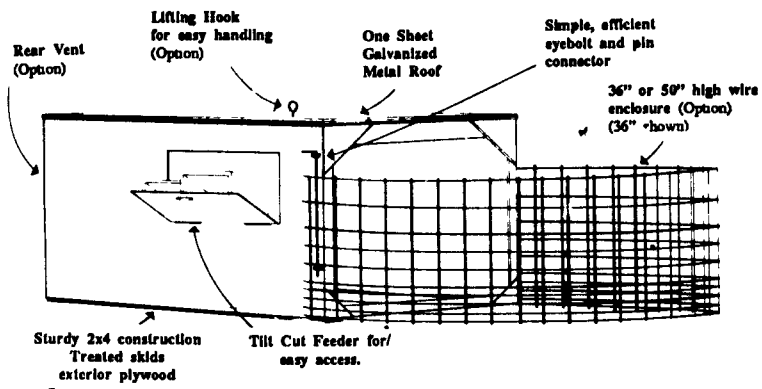


Same Advantages As Hutches, w/Inside Feeding

Compare the Stoltzfus Woodwork Calf Hutch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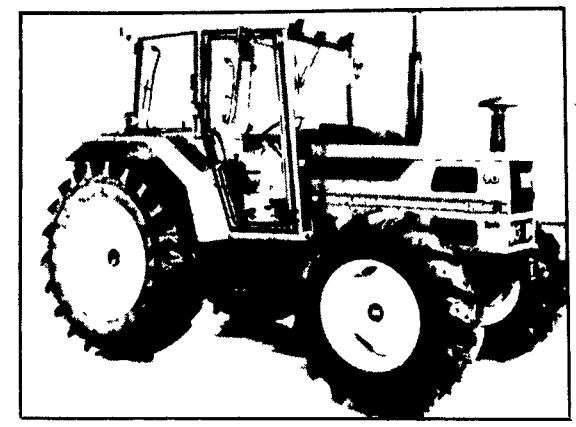

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Calf hutches $80. David Stoltzfus, 57 Griest Road, Lanc. Co. at Little Britain Brown Road, second road right.

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WANTED

TB horse trailer 2 X/H, X/W at fair price. Dan Bixler, RD#2, Box 127, Hummelstown, Pa. 17036. 717-533-5113.

Hog gang slats 4'x10' steel hog fencing, 12 ton feed bin PVC 8" pipes, no junk, Pa. 717-354-4430.

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9:00 A.M.

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Empire 2 pc. slant front secretary w/4 drawers and glass door top; lg. softwood 1 pc. bookcase w/2 glass doors; VN oak high-back bed; nice softwood rope bed; VN trundle bed; nice old paneled and solid end chests; VN Hepplewhite (walnut) inlaid buffet; mahogany Sheraton ½ -twin table; small farm table; other very nice pieces of mahogany, oak, walnut and softwood furniture pieces; nice lot spindleback, pressed-back, cane seat, and plank bottom chairs & rockers; unusual walnut potty; wicker baby buggy; VN oak 2-shelf bow side display cabinet; children's furniture pieces; lot all sizes pictures and picture frames; nice hanging lamps; unusual brass figurine candleholders; VN glassware includes: Pressed and patterned, etched, depression; vaseline, Occupied Japan, Austrian, Bavarian, German, Noritake, Mettlach, hobnail, calendar plates, majolica, Ironstone, child's miniature pressed glass pieces, other china items, nice lot Schoenhut - German figurines; VN early advertising & political items; lot woodware, castware & tinware items; nice antique & reference books; crocks & jugs; redware items; other very nice small antique items; 4-signed J.H. Rupp woodworking clamps; copper bath tub in softwood dovetailed case; many other items.

Note: Very nice antiques & hard to find items in this sale - Mark Date & Plan To Attend.

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Antiques & Collectible Auction, H.H., Furniture, Quilts, New and Used Items.

Old Quilts, Glassware, Dolls, Toys, Hand Cut Lead Crystal, Schmidt Collector Plates, Bells And Thimbles, Milk Bottles And Other Old Bottles, Advertising Tins, Beer Trays, Assorted Baskets And Wicker, Dishes, Norman Rockwell Figurines, Touch Lamps, Mens Pocket Watches, Candy Dishes, And Assorted Dishes, Avon Bottles, Craft Items, Porcelain Bowl And Pitcher Set, Crocks And Jugs, Assorted Jewelry, Ladies Solid Gold Chains, Sterling Silver Jewelry and Collection Of Mens And Ladies Rings, Stereo Speakers, Am-Fm Stereos, radios, oil lamps, hurricane lamps, clocks, artificial xmas trees, butter churns, depression glass, outside advertising sign 4'x8' Includes Lettering, Franklin Wood Stove.

Small Furniture, Pictures, Dinette Sets, Oak Captain's Chair, Sofa And Chair Set, Thomas Organ (Like New), Old Quilts, Plank Bottom Chairs, Electric Stoves, Old Books And Encyclopedias, Zerox Copiers, Adding Machines, Office Supplies, Clocks, Oak And Maple Tables, Mirrors, Dropleaf Table, New And Used Hardware, Socket Sets, Pliers, Saws, Screwdriver Sets, Come Along, Iron Kettles, Lard Presses, Butcher Ladles And Forks, Iron Dog (Antique), Lots Of Nuts, Bolts, And Screws, Pipe Wrenches, 2 LP Gas Generators (1500 Watt), Electric Stoves, 2 Singer Electric Sewing Machines.

Vehicles: School Bus, '72 Ford Pick-Up Truck, '72 Chevy Truck With Cab, Articat Panther Snowmobile.

Lots Of Items Too Numerous To Mention. Good Food Available. We Sell On Commission.

***Terms:**
— Cash-No Out Of State Checks.
— Not Responsible For Accidents.
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AUCTIONEERS: KEN MEYER
J. EVERETT KREIDER
LIC #AU-512-L

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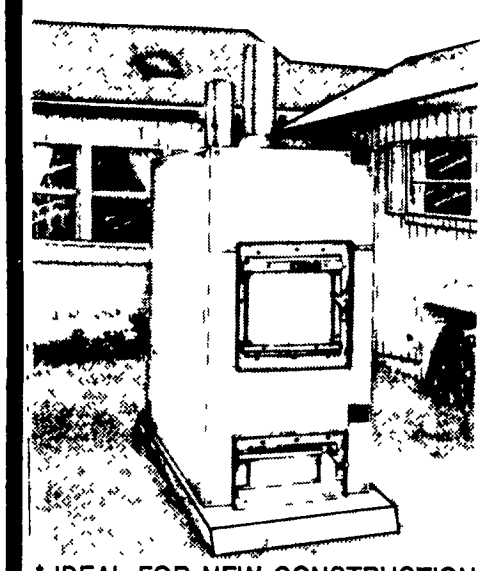

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(To help correctly code your address, please furnish COMPLETE address As an example, include number of the dwelling, street name, city and state When appropriate, include other specific information such as suite, apartment, floor, box number, etc If you have an R D , please include Box Number)

NAME_____
STREET ADDRESS_____
RD#_____ BOX#_____
CITY_____ STATE_____
ZIP + 4_____ COUNTY_____

MAILBOX MARKET WANTED

Farmall cub or Farmall 140 tractor & snow plow for Ford 2000 tractor. Lehigh Co. 215-395-2732.

Amish house to rent in Lanc. Co. 717-786-1394 eves.

Hole drilling machine for fence posts, any post-rail machinery - cast iron feeders table model deep throat leather sewing machine. Allegheny Co. 412-371-6205 eves.

Haying tools: hay mow forks (single harpoons, double harpoons) anything different. Also carriers, knives, etc. Robert Rauhauser, Box 766, Thomasville, PA 17364.

Steel wheels for tractor 58" high & 33" in front, also 3-16 plow & 10' disk. Lanc. Co. 717-354-7869.

Wade rain, couplers, tee's take off elows, end caps, Bucks Co. 215-598-3206.

Fox 3000 harvester, also inexpensive 90-110 H.P. tractor, 215-942-2657.

1-5 yr. old male or female small Chihuahua dog, Lanc. Co. 717-665-4537.

Implement & tractor redbooks 1950-1986, also 2 wheeled gravity grain bin, R#1 Box 31, Narvon, Pa. 17555, Lanc. Co.

Small plate mill's wanted: N.H., York, etc. also corn planters, hench & dromgold, others. Write Robert Rauhauser, Box 766, Thomasville, Pa. 17364.

Small farmette or 10+ acres fairly level land for agricultural use. Perfer E. Lanc. Co. Denver, Reinholds area or W. Berks. 215-670-0681.

Chain link fence for dog, 12x12 or 6x12. Lanc. Co. Pa. 717-733-0058 ask for Levi.

Toy trains old toys & coins, any cond., collector seeking Lionel, American Flyer etc. Cash paid Berks Co. 215-775-3221.

Building lot in Manheim, Lititz & Ephrata area. Call 717-665-2821.

Attic Flooring and Log Houses. 717-626-4520

Old Maryland milk bottles by serious collector. Cash paid or will trade. Call collect after 6 p.m. 301-721-0473. Crownsville, Maryland.

MAILBOX MARKET NOTICE

We adopt and/or buy exotic animals: Deer, Pygmy Goats, Elk, Buffalo, Leopards, Cougars, Peafowl, etc. Berks, 215-374-2114.

Will start your watermelon, cantaloupe's for 1989 season, any amount. Lanc. Co. 215-445-4783.

Will be hatching eggs. Write for prices, also buying ducks, bantas, quail, geese. Write John's Poultry, PO Box 208, Reinholds, Pa. 17569.

Schuylkill Co. Fair Association is looking for a farm estate to sell at our spring community sale. 717-345-4882.

Public Auction Register

JANUARY

FRI. & SAT. JAN. 6 & 7 - 3PM & 9AM Respectively. Grandfathers clock, Furniture, Antiques, Coins, Collectibles, Personal Property. At Springetts Fire Hall, 3013 E. Market St., York, PA. For: H. Alvin Jones. Jacob A. & Brian L. Gilbert, Aucts.

SAT. JAN. 7 - 9AM Gigantic 30 Yr. Collection of Depression Glassware & Hummel Auct. Brad Smith Auct. Co., Brogue, PA, York Co. Red Lion, approx. 5-6 mis. S. along Rt. 74 just before the Brogue. Red Lion is S. of York approx. 20 mis. Bradley K. Smith, Auct.

SAT. JAN. 7 - 9:30AM Library & Collections of Late David Musselman. Akron Fire Hall, 1229 Main St., Akron, Lancaster Co., PA. By: Sara B. Musselman. HORST Aucts.

SAT. JAN. 7 - 10AM Modern Farm Eq., 16x60 Ribstone Silo, etc. Along Christmas Village Rd., Berks Co., PA. Rt. 183 between Strausstown & Reading, ¼ mi S. of Bernville turn W. off Rt. 183 go toward Robesonia for ½ mi , turn N. go toward Womelsdorf for 2 mis to first farm on left past Christmas Village. By: Donald & Shirley Davis. Dennis F. Wagner.

SAT. JAN. 7 - 10:30AM Troxelville Auction Gallery, Antique Auction. Located Troxelville Auction Gallery, 4 miles off Rt. 522 at Beaver Spring, Pa. on Rt. 235. For Info. Phone 717-658-7141 C.P Jacobs, Jr Auct

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PUBLIC AUCTION

Antiques, China, Toys, Furniture, Coins, Guns, Horse Drawn Wagons, Sleighs

SAT., JANUARY 14, 1989
8:30 A.M.

Located At: Garden Spot Auto Auction, Ephrata, Pa. Take Route 322 West One Mile From Ephrata To Apple & Robert Streets.

Sponge Decorated Blanket Chest; J&P Coats Spool Cabinet; Refinished 4 Stock Oak Bookcase w/Glass Doors; Ornate Oak Folding Chair; Slipper Chairs; 3 Pc. Depression Era Bedroom Suite; Cottage Washstand; Walnut Dropleaf Table; Spinning Wheel; 2 Pc. Modern Livingroom Suit; Metal Cabinets; Bird Cage & Nine Spindle Back Windsor Chairs; Ornate High Back Depression Era Arm Chair; Victorian Side Chairs; Medicine Chair w/Cabinet; Approx. 20 Wrought Iron Floor Lights; Oak Dressing Screen; Ornate Victorian Choir Chair; (4) Player Pianos; Victor #4 Table Top Phonograph; Standard Talking Machine w/Morning Glory Horn; Victor #5 Table Top Phonograph w/Morning Glory Horn; One Door Music Cabinet; Oak Pathe #7 Floor Model Phonograph; Early Accordion, Edison Fireside Phonograph w/Gooseneck Horn, Edison #5 19 Disc Floor Model Phonograph; Sonora, Philco Table Top Phonographs; 33, 78 Records; Edison Cylinders; Dinner Bell; Horse Weather Vane; Camelback Trunk, Blue Decorated Cowden & Wilcox Batter Jug; H. White & Co. Batter Jug; Blue Decorated Handled Harrisburg, Pa. Crock; Crocks; Jugs; Wooden Sugar Bucket (Paint Worn); Tin Litho. Pillsbury's Best Flour Sign; Broadside Advertising; Cherry Box; Vict. Hanging Kerosene Lamp w/Prisms; Oak International Time Clock; Oriole Gingerbread Shelf Clock; Min. Child's Brass Bed, Early Painted Table, Push Mower; Sewing, Market Baskets; Agateware, Coffee Pot, Spittoon, Collander, Roaster; Fiestaware; Cigar Molds; Pink & Copper Lustre; Brass Items; Deep Frames; Pictures; H.H. Stricher Axe; Paper Mache Rabbits; Dolls; Occupied Japan Figurines, Lights; Copper Tea Kettles; Ironstone Tureens; Vaseline Glass; Butter Scales; Wooden 3 Prong "Young" Fork; Advertising Tins; Roseville Pottery; Early Postcards Include Sun Bonnet, Days Of Christmas, Political; German Dishes; Redware Pottery; Cast Iron Hubley Cat, Dog; Pressed Glass; 1972 & 1975 Hummel Plates; Iron Mortar & Pestle; Manheim Old Home Week Book; Lititz I.H. Doster Glass, Lititz Springs Park Pretzel Tin; A Very Large Selection Of Farm Toys, Ertl Banks, Nylint Trucks, Promo. Cars, Hubley Tractors, Trucks, Wyandotte; 70 Local & Over The Road Winross Trucks; Porcelain & Enameled Automotive Advertising Signs, Clocks; Wooden Tub; Wooden Advertising Boxes; Iron Press Stands; Straw Cutter; Hull Pottery; Cranberry Vase; Tom & Jerry Statues; Wine Decanter; Nontake "Tree In The Meadow" China, Hollow Pcs.; Norman Rockwell Collector Plates; Currier & Ives Metals Plate; Gone With The Wind Collector Plates; Limoges Plates; Christmas Plates; Antique Gas Pump; (3) 10¢ Coca Cola Machines; (2) Square Market Sleighs w/Shafts; Wiard Walking Plow; Horse Drawn Ice Saw; Ox Yoke; (2) Wooden Wheeled Express Wagons; 6 Spring Buckboard; Closed Front Amish Carriage; Collection Of 30 Guns, Rifles, Shotguns, Handguns, Winchester, Stevens, Savage, Ithaca, Harrington & Richardson, Marlin, Double Barrel, Singleshot; Winchester Pre 64 30-30 Crack Shot; 1879 Silver Dollar, Franklin Halves, Standing Liberty Halves, Uncirculated Silver Dollar, Franklin Mint Sets, Proof Sets, 1798 13 Star Silver Dollars, Rolls of Wheat Pennies, Roosevelt Dimes, Nickels.

This Is A Very Partial Listing. Don't Miss This Auction. Many Many More Items. Coins To Be Sold At 9.00 A.M.

Auction Conducted By The:

J. Omar Landis Auction Service
Jay M. Witman AU001127-L
Apple & Robert Streets, Ephrata, Pa.
(717) 738-7920 — 665-5735

AUCTION OF ANTIQUES
EXCEPTIONAL QUALITY
SAT. JANUARY 14, 1989
9 A.M. SHARP
Allen Nixon Residence, Birmingham/ Arneys Mt. Road Off Rt. 630 Pemberton, N.J.

18th Century Furniture, Dish Top Candlestand, Very Nice Small Size Walnut Cut Corner Four Dr. Chipp. Chest, Walnut Slant Front Chipp. Desk With Secret Drawers, Pine Splay - Leg End Table, 30 In. Tilt Top Q. Ann Tea Table, Country Q Ann Rect. Lift Top Table, Walnut Tavern Table With Stretcher Base, Tiger Maple Sheraton 1 Drawer Stand, Walnut & Oak Tall Case Clock, Small Chipp. Mirror, A Fine Collection Of Windsor Chairs, Incl. Rare Stick Back Love Seat, 7 & 9 Spindle Bow Backs, Fan Backs, Comb Back Arm And Side Chairs, Other Furniture Incls, Vic. M.T. Wash Stand, Bureau, Rope And Spool Beds, Bentwood Rocker.
17'11" x 10'6" Saroak Rug, Very Fine Antiques.

SELLING FOR: *IRIS SCHOCK*
AVELON, N.J.
ORDERED BY: MRS. NINA FRITH, GUARDIAN

18th Century Furniture Incl. Orig. Blue Green Dry Painted Lg. And Sm. Blanket Chest On Bracket Feet, 3 Board Top Hutch Table, Wal. Stretcher Base Tavern Table.
Wal. Chipp. Drawer Chest With Orig. Ogee Feet And Brasses, Heppl. Chest With French Feet, Both In Old Finish, Chipp. Hooded Cradle, 19th C. Furniture Incl. 1840-65 Victorian M.T. Wash Stand, Bureaus, Decorative Sideboard With Mirror, Two Settees, Each With Two Side Chairs, Gentlemen's, Chair, Other Vic. Side Chairs, Exceptional Quality Hall Tree, Rockers, Extension And Drop Leaf Old Red Wash Tables, Rosewood Melodeon, Crotch Maple and Pine Plantation Desk, Large Woven, Cane, Wooden Wheel Baby Carriage, 50 Chairs, Sets And Singles, Barrel Butter Churn, J. Rogers Springville 2 Plate Stoves, Great Collection Of Country Store Items, From Woodstown, N.J. Store Incl. Several Wooden Counters, Glass Counter Cases, Two 16 Sm. Dr. Cabinets, Store Display Spool Cabinet, Hundreds Of Other Small Items, Such As Hanging Store Lamps, Chimneys, Globes, Tins, Canisters, And Much More.

SELLING FOR: *RICHARD BRICE*
OCEAN CITY, N.J.

PREVIEW- JANUARY 7TH, 1989
10 A.M. TO 2 P.M.
TERMS: CASH SALE DAY
RAIN *** SHINE *** SNOW***
AUCTIONEER NOT RESPONSIBLE FOR ANY ACCIDENTS ON SALE PREMISES.

PUBLIC AUCTION
VALUABLE REAL ESTATE
2 SEPARATE TRACTS
#1 Tract- 24½ Acre Farmette, Zoned Agric.
#2 Tract- 8½ Acre Parcel, Zoned R-200
SAT., JAN. 28, 1989
1 P.M.

LOCATION: Take Rt. 897 North to Village of Blainsport, turn Right onto Whitehall Road, 235 Whitehall Road, Reinholds, West Cocalico Twp.

TRACT #1: Consists of approx. 24½ Acres, Zoned Agricultural with approx. 2/35' feet of road frontage. Bldgs. consist of mobile home w/15' x 20' addition and enclosed porch addition with 4 bedrooms, 1½ baths, laundry, living rm., and eat-in kitchen, 2-car frame garage, and large 40' x 80' pole building.

TRACT #2: Consists of approx. 8½ Acres of land with corn barn bldg. Zone R-200 with public water in street. Approx. 360' feet of frontage on Rt. 897. This tract located across road from Whitehall Road along Rt. 897. (To be sold at 235 Whitehall Road.)

NOTE: Ideal opportunity to purchase real estate w/subdivision potential and/ or keep as small farmette. Terms 10% Sale day balance at settlement. For plot plan or additional info. call Auctioneers (717) 733-1006. Inspection by appointment or Open House - Sat., January 14 & 21 from 2 to 5 P.M.

TERMS BY:
CHARLES J. HARTING, JR.
MAXINE K. HARTING
215-267-3109

Auction Conducted By:
Randal V. Kline, Lloyd Kreider
Roy Good, Jr., AU-00499-L
717-733-1006

KLINE & KREIDER AUCTIONEERS

PUBLIC SALE
Valuable Antique Furniture-- Toys-- Guns-- Wood Planes-- Garden Equipment
January 21, 1989
Time: 9:00 A.M. Sharp

Located at Newberrytown Fire House Directions: If traveling on I-83 North or South use Newberrytown Exit #13, if coming from Harrisburg, Pa. turn left onto Rt. 382, if coming from York, Pa. turn right go approx. ¼ mi. to Newberrytown Fire House. Sign posted.

Antique Furniture-- Garden Equipment

Antique furnitures; Victorian furnitures; old hall racks; R.R. lanterns; wood planes; Wheel Horse riding mower, Montgomery Ward 3hp portable sprayer.

Guns

Remington model 514 bolt action 22 rifle; Stevens visible loader #70 slide action repeating pump rifle; old Flobert breach loading 22 rifle w/24" oct. barrel; Whelen 35 cal. improved bolt action rifle w/custom engraved C.R. Pedersen & Sons barrel, w/Bushnell scope; Savage model 219 single shot 30-30 cal. rifle.

Farm Toys-- Doll

Nice org. 1/16 scale Oliver 77 toy tractor w/mounted corn picker; Oliver 1850 toy tractor; J.D. 60 toy tractor; J.D. pull type, belt conveyor type combine; J.D. manure spreader; Ford 6000 red belly toy tractor; Tru-Scale tractor, manure spreader, pull type 2 bottom plow, wagon, & disc; Ford 8000 toy pedal tractor w/metal steering wheel & seat; Coca-Cola truck in 30s; U-Haul pick up & trailer; Structo dump truck w/scoop; tin Chrysler air flow toy car; old Thimble Drome race car; 2 battery operated shovels; German bisque doll leather jointed body w/open mouth showing teeth #1810, 12" long org. clothes; metal erector set; model gun boats; model kit war tanks; German Wolf pack submarine; used promotional cars, 62 T. Bird, 81 Corvette, 63 Plymouth Fury, 75 & 76 Pontiac Firebirds, 65 America Rambler, 65 Toronado Olds; wind up Marx Pontiac car; America Flyer #499 engine w/extra cars; crane car; America Flyer toy transformer; Marx #1829 engine w/cars & tracks; 4 Lionel cars, 1 observation & 3 coal tenders; switcher engine; P.R.R. passenger car; train accessory; plus lots of items not mention.

Auctioneer Note: Sale in heated building, plenty of seating. Plan to attend. Many fine items at this sale. Terms of Sale: Cash or good checks if known. No out of state checks.

Refreshments By Fireman Association
Not responsible for accidents

Estate Of Dorothea B. Paul
John W. Paul Owner

Little IKE Eichelberger Auctioneer
Pa. Lic. #AU 001954-L
Phone Lewisberry 717-938-6322
Now booking spring & summer sales.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

MON. JAN. 9 - 11AM Farm Machinery, etc. R.S. Tarbuttom Frm, 6 mis. SW of Galena, from Galena take Rt. 213 S. approx. 6 mis. bear right at Vonnies on 298, 1st farm on right. (Before Kennedyville, MD).

Aucts.

THURS. JAN. 12 - 9AM Antiques, Collectibles, Tools. At Alderfer Auct. Center, 501 Fairgrounds Rd., Hatfield, PA. Sanford Alderfer Auct Co.

THURS. & FRI. JAN & 13 - 7PM Ea. Day. PA Auctioneers Assoc. Annual Championship Bid Calling Contest. Thursday at Small ing, Harrisburg, PA. Friday Harrisburg Marriott.

FRI. JAN. 13 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511

SAT. JAN. 14 - 9AM Guns, Winross Trucks & Horse Drawn Wagons. Garden Spot Auto Auction, Ephrata, PA. Take Rt. 322 W. 1

Roberts Sts. J. Omar Landis Auct. Serv. Jay M. Witman.

SAT. JAN. 14 - 9AM Antiques. Allen Nixon Residence, Birmingham/Ameys Mt. Road off Rt. 630 Pemberton, NJ. By: Iris Schock, Richard Brice.

SAT. JAN. 14 - 9AM Very Nice Antiques, Glassware, Primitives. Located along Route 34, ½ mile North of Gettysburg, PA.- bear right at Y (at car wash) & continue 2 miles on Table Rock Road to auction site Phyllis Hess, Owner. C. David Redding, Auct

SAT. JAN. 14 - 10AM Farm and Grain Equipment Rt. 47, Clayton, NJ. Take 322 East Off C Barry Bridge To Rt 47 In Glassboro, Turn Right To Clayton (About 20 Mile From Bridge) Mr Benjamin F. DuBois, Owner. Ralph D. Hughes, Auct

SAT. JAN 14 - 10AM Real Estate, Antiques, HH, Car 210 Penryn Road, Penn Twp , Lanc Co., PA Rt. 72 to Manheim East onto Doe Rd. to Penryn Rd. John G. & Emma Brandt HORST Aucts

SAT. JAN. 14 - 10AM 4 Tractors, Skid Loader, Farm Eq., Misc., Dairy & Feed Eq. B&B Dairy, Hagerstown, MD. James G. Cochran, Auct.

SAT. JAN. 14 - 10AM Antiques, Collectibles, HH, Furniture, Quilts, New & Used Items. D&S Auction House, 5 mis. E. of Hershey on Rt. 322, 1 mi. E. of Leed's Corner Store, Campbelltown. Ken Meyer, J. Everett Kreider, Aucts.

SAT JAN. 14 - 10AM Estate of Nancy Bulkely and Ethel Kendall. At Rudnick's Sales, Rt. 213, Galena, MD. Harry Rudnick & Sons Inc.

SAT. JAN. 14 - 11AM Real Estate, 5 Cars & Truck, HH, Antiques. 1 mi. N. of New Holland, PA, along N. Railroad Ave. From Hinkletown take N. Railroad Ave. 2½ mis. to sale, Lanc. Co. By. Lloyd Rosenberry Est Paul Snyder, Auct.

WED JAN 18 - 4PM Antiques, HH, Toys, Coke & Beer Items, Coins. Brickerville Fire Hall, just off Rt 322, Brickerville, approx 8 mis. w. of Ephrata, Lanc Co., PA. By. Frank, Strayer, Shelly. HORST Aucts

THURS. & FRI. JAN 19 & 20 - Farm Eq Sale Marion, PA Ralph W Horst, Mgr.

FRI. JAN. 20 - 10AM Special Horse Sale at New Holland Sales Stables Inc , 12 mis. E of Lancaster, PA, just off Rt. 23, New Holland, PA.

FRI. JAN 20 - 1 30PM State Graded Pig Sale at Westminster Livestock Auction.

SAT. JAN. 21 - Jacob S. Zimmerman, Valley View St., Goodville. Real Estate, Antiques, HH. Nevin & Andrew Martin, Aucts

SAT. JAN. 21 - Farm Toy Consignment Auction at Carroll Co. Ag Center, Westminster, MD at 5:30PM. Farm Toy Show at 9AM. Dale Stoltzfus, Auct 717-768-3554.

SAT. JAN 21 - 9AM Valuable Antique Furniture, Toys, Guns, Wood Planes, Garden Equipment. Located At Newberrytown Fire House If Traveling On I-83 North Or South Use Newberrytown Exit #13, If Coming From Harrisburg, Pa. Turn Left Onto Rt 382, If Coming From York, Pa Turn Right Go Approx. ¼ Mi To Newberrytown Fire House Sign Posted Estate Of Dorothea B Paul, John W. Paul Owner. Little IKE Eichelberger Auct

SAT. JAN 21 - 9.30AM Antiques, Collectibles, Clean Furnishings. Brickerville Fire Hall, just off Rt 322 in village of Brickerville, PA. For Mildred Lentz, Harold Fry for Martha Mongomery Estate. E.M Murry Assoc., Aucts.

SAT. JAN 21 - 10AM 165 Acre Farm, Farm Machinery, Tools, Butcher Eq , Antiques & Personal Property. From Rt. 72 N. take 22 E. drive 8/10 mi , turn N. on Lancaster Street to Mowery Rd., turn right & drive approx 1 mi to auction on left By. Marian Light David L. & Roy I. Ebersole, Aucts.

SAT JAN. 21 - 10AM Tractors & Farm Machinery Virgil Kephart & George Stiles At intersection of US Rt. 40A and MD Rt. 67 just E of Boonsboro, MD J G Cochran, Auct

SAT JAN 21 - 10AM Estate of Charles Keller '83 Zetor, Farmall H, Tractors, '67 GMC Pickup, Tools, Log Splitter, Farm Items Keller Farm, Groundhog-College Rd , Newlin Twp , Ches. Co Whiteside Auct Serv

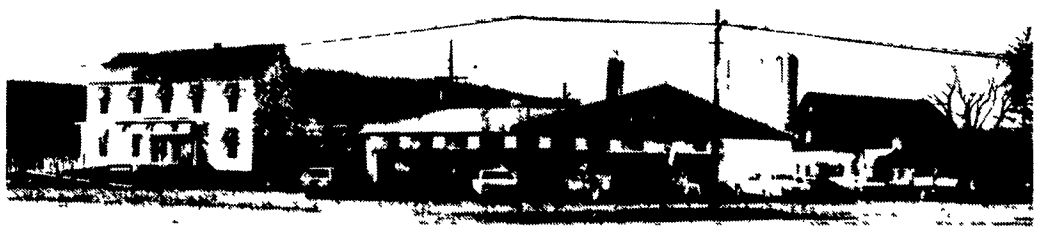
SAT. JAN 21 - 10AM Dairyland Restaurant, Dairyland Farm, Penn Mountains Candle Outlet, Plus 6 other Parcels, Heifers, Farm Mach On US Rt 15, 1½ mis S of M sfield , PA By Jose Massara Shaylor Sales Hahn Auct Co

WED. JAN 25 - 9AM Philadelphia Electric Co Limerick, PA Vilsmeier Auct Co

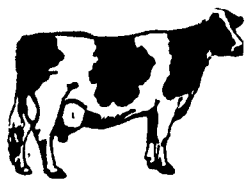
FRI JAN 27 - 1 Complete Reg Grade Holstein & Jerse Milking Herd Open & B Heif & GL town Q Inc , Rt PA, Lanc Co Ma Gordon & Helen

PUBLIC AUCTION

Mansfield, Pa. (TIOGA COUNTY)



SELLING DAIRYLAND RESTAURANT, DAIRYLAND FARM, PENN MOUNTAINS CANDLE OUTLET, PLUS 6 OTHER PARCELS, HEIFERS AND FARM MACHINERY
Located: On U.S. Rte. 15, 1½ mi. south of Mansfield, Pa.



JANUARY 21st, 1989 at 10:00 A.M.
30 HEAD LIVESTOCK 30

Holstein heifers from started to short bred. Some calfhood vacc., 1 Hol. stock bull, charts day of sale. Vacc. for shipping fever.

MACHINERY

Super M-500 Belarus 70 Hp. diesel tractor, 18.4x30, 3-pt., 6 front wts.; AC D-15 Series II w.f. gas tractor, 3-pt. w/loader; AC WD-45 w.f. gas tractor, snap coupler w/front end loader; Ford 9N tractor; OC-4 Oliver track loader w/quick attach backhoe; 336 JD baler w/#30 JD kicker; Super 717 NH chopper, flotation tires, hyd. cyl. & 5' hay pick up head, 770 NH 2-row corn head; AC 4-row corn planter, dry fert., bug boxes; Int. #14 rake; 479 NH 9' haybine; 2 Decker forage boxes w/gears; Case pto short hopper blower; JD AR 10' transport disc; 2 oak kicker racks; NH Smoker 36' elevator; Girton 20' elevator; 24' single chain elevator; 2 Meyers snow blades; (2) 300-gal. Yellow Devil sprayers, roller pump, independent nozzles; 2 sets drags; 3-pt. blade; 3-pt. fert. spreader; 3-btm. Dearborn plow; 3-btm. AC snap coupler plow; 1-row cabbage planter; cult. for H Int. & WD 45; Hawkbuilt r.h. spreader for parts; tripod for motor lift; 18.4 tractor chains; chains for WD; 5-stage hyd. lift cylinder; JD 480 haybine for parts; 2 feed carts; water tub, gates; calf hutch; Fulton steam boiler #26447 Model 30E; barbed wire; neck chains; milk crates; forks, shovels, 25 bags of 10/20/20; large quantity oak lumber 2" & 1", 20x65 LANCASTER, roof & pipe (new, never been filled) 2 SILOS 12x30 RIBSTONE, roof & pipe.

9+ Acres Picking Corn

BARN & MILK HOUSE EQUIPMENT: Patz barn cleaner, approx. 260 ft. chain, chute & unit, 14" paddles, counter clockwise; Surge pipeline, 300 ft. 1½" glass, Surge Panel, washer; 2 milk-o-meters, 1 triple wash vat; 545 gal. Sunset bulk tank, Diceler compressor.

AUTOMOTIVE

1979 Camero; 1979 Pontiac Phoenix, 2 dr.; 1979 Ford Super Cab pickup; 1973 Ford ½ T pickup; 1956 Ford 1T dump truck; Collectors; 1935 Ford 1½ T flatbed truck; 1965 Mercury Meteor Caliente, 2 dr. hardtop coupe; Also 2 pickup caps; 20' steel truck bed; Braden truck winch; 7' pickup blade.

GARAGE, SHOP & GARDEN

Rally 18 Hp. 5-spd. riding mower, 44" deck, Black & Decker twin cylinder industrial engine (purchased 1988 mowed lawn twice, 2-yr. warranty); Montgomery Ward 399cc transaxle 11 Hp. mower, 38" deck; Troy-Bilt 7 Hp. rototiller Sears lawn lime spreader, (new) & cart; 1-yr. old 22" lawn mower; heavy duty battery charger; tire changer; 225 Amp Lincoln welder; tire balancer; sand blasters; large Industrial fan; jack stands & ramps; grinders; Binks spray gun & body tools; Port-A-Power hyd. push & pull assembly; acetylene torch; auto tow bar; misc. chains, tools, hand tools, paint; 2 filing cabinets, etc. all in excellent condition.

Terms On Personal Property— Cash Or Good Check Sale Day.

MULTI-PARCEL REAL ESTATE
PRIME INVESTMENT INCOME PROPERTIES

AUCTION WILL BE CONDUCTED AT PARCEL #1, RT. 15, MANSFIELD.

***Parcel #1: ABSOLUTE - NO RESERVE.** High visibility along Business Rt. 15, in Mansfield. Dairyland Restaurant, Penn Mountains Candle Outlet & Dairyland Farm Complex on approx. 98 acres, parking, Tioga river.

BUSINESS ANALYSIS AVAIL UPON REQUEST. Contents of candle outlet and restaurant equip offered as 2 lots and milking equip/silos sold separately or all lots in their entirety w/real estate.

***Parcel #2:** Commercial, approx 2 acres along busy Rt. 15.

***Parcel #3:** Commercial, Business Rt. 15, 2-½ story sgl. frame w/2+ apts, 1st floor bus. opportunity.

PARCELS 4 THRU 7 HAVE OPPORTUNITIES FOR SUBDIVISION.

***Parcel #4:** Approx 10 acre 8-lot subdivision, subject to perk approval, offered individually & in entirety.

***Parcel #5:** Approx 89 acres; 50 tillable, 2-½ story frame, 3 bedrooms, bath. New roof on house/barn, semi-improved road, pond site.

***Parcel #6:** Approx 40 PRIME acres, well, on site sewage. Semi-resetored sgl dwelling, new roof; joins exclusive development.

***Parcel #7:** Approx 10 acres, tillable; w/a beautiful view.

Terms: 10% down on each parcel at time of sale, balance on or before 60 days.

Auction Ordered By

MR. JOSEPH MASSARA

For Inspection Or Info Brochure Call:
Shaylor Sales (717) 297-3278, AU-0000833-L
Hahn Auction Co. (215) 837-7140, AU-001271-L

Bob Shaylor
Ph. 717-297-3278
Barn 717-297-2494

Robert M. Shaylor, Sales
515 Elmira St., Troy, Pa. 16947
Reputable Sales Service
Licensed-Bonded Lic. AU 000833L

Bob Garrison
Ph. 717-297-3872

PUBLIC SALE

OF REAL ESTATE, ANTIQUES HOUSEHOLD GOODS & CAR
MANHEIM AREA
SAT., JAN. 14, 1989
AT 10:00 A.M.
REAL ESTATE: 2:00 P.M.
CAR: 1:45 P.M.
(Tools To Be Sold First)
LOCATED AT 210 PENRYN ROAD, Penn Township, Lanc. Co., Pa. (Directions: Rt. 72 to Manheim East onto Doe Road to Penryn Rd.)

2½ -STORY DWELLING
W/ATTACHED 2-CAR GARAGE & LAUNDRY

Excellent view! Located in Lancaster Co. farm area. Call 626-4520.

WALNUT KAS, Fluted Corners, (90" tall x 66" length, 18½" w); Grained Wood Chest; Depression Bedroom Suite; Cedar Chest; 2 Modern Walnut Grandfather's Clocks; Cherry Drop Leaf Table; Fiddleback Decorated Chairs; Oak Bookcase; Cane Seat Rocker; LA-Z-SLEEPER Sofa Bed; Depression Dining Room Suite; Piano Stool; LA-Z-BOY Rocker Recliner; Cedar Wardrobe; 20 cu. ft. Refrigerator (Lower Freezer); 40' Caloric Gas Stove w/ Heater; Maytag Automatic Washer & Dryer; Freezer; Sewing Machine; Window Air Conditioner; Twin Beds w/Box Springs & Mattresses; Exercise Bicycle; Shelf Clocks; Pictures, Iron Kettle & Tripod.

CHINA & GLASSWARE: Carlsbad China; Fruit & Flower Bowls; Scanner; J.G. Leber Ephrata Bottles; Kerosene Light.

LINENS: Afghans; Fancywork.

TOOLS (Excellent Condition): ARIENS SNOW BLOWER (2 Stage, Like New); Toro Mower; CRAFTSMAN RADIAL ARM SAW; BELSAW THICKNESS PLANER; DRILL PRESS; 6" JOINTER W/MOTOR; TURNING LATH & CHISELS; BAND SAW; SHAPER; 10" ELECTRIC MITRE SAW; Shop Vacuum; Bench Grinders; Circular Saws; Jigsaws; Sanders; Planes; Hand Tools; Wrenches; Socket Sets; Stepladders; Large Oak Machinist's Cabinet; Ext. Ladders; Walnut Lumber; Wheelbarrow.

CAR: 1976 Peugeot (540) 4-Dr. Sedan, 52,000 miles (excellent condition), and many other items to be sold!

TERMS BY:
JOHN G. BRANDT
EMMA BRANDT

David Young, Atty.

HORST AUCTS.
T. Glenn AU438L
Timothy G. 859-1331—738-1245
Thomas A. *"VOICES OF EXPERIENCE"*

STRIKE IT RICH!

SELL IT WITH A LANCASTER FARMING CLASSIFIED

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI. JAN 27 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511

SAT. JAN. 28 - Kling's Sale Barn, Landisburg, PA. Bud-Ranch Dairy Herd Dispersal (35 Reg. Holsteins) Kling's Auct Inc

SAT. JAN. 28 - 10AM Trucks, Payloaders, Cars, High Boy, Fert & Lime Trucks, Fert Plants, Boxes, Scales Wm B. Tilghman Co. Inc , Fitzwater Street, Salisbury, MD Pete Richardson Auct. Sales.

SAT. JAN. 28 - 10AM Contractor Eq., Trucks, John Deere Backhoe 1769 West Newport Rd., Manheim, PA. Norman D. & Dorothy H. Sauder, Owners. Paul E Martin & John D. Stauffer, Aucts

SAT. JAN. 28 - 1PM Location. 235 Whitehall Rd., Reinholds, West Cocalico Township, Lanc. Co 2 Separate Tracts of Real Estate Consisting of 24 Acre Farmette & 8 Acre Parcel Owner: Charles J. Harting, Jr. & Maxine K Harting Conducted By. Kline & Kreider Auctioneers

SAT. JAN. 28 - 2PM 5 Acre M/L Farmette, Zoned R1. 4 miles east of Blue Ball along Rt. 322, 2½ miles west of Honey Brook, Caernarvon Twp., Lanc. Co Pa Leroy & Elizabeth Smucker. Robert E. & Jeffrey R Martin, Aucts.

TUES. JAN. 31 - 10AM Livestock, Farm Eq., Some HH. 1½ S. of Intercourse, 1 mi. N. of Rt. 30 at 344 Queen Rd. Amos F. Smoker, Owner. Diffenbach's Aucts.

FEBRUARY

FRI. FEB. 3 - 10AM Horse Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. FEB. 4 - 9:30 AM, Real Estate 11 AM. Valuable Real Estate, 7.6 Acre Farmette, Farm Related Items & Antiques. Location From Rt. 23 Take Rt. 625 N. Approx. 5 Miles. Turn Right Onto Oaklyn Dr. Go Approx. 7/10 Mile Turn Right Onto Silver Hill Rd. To Property On Right. Brecknock Township, Lancaster County. Rufus M. & Anna Mary Reiff, Owners. Randal Kline, Lloyd Kreider, Roy Good Jr., Aucts

SAT. FEB. 4 - 10AM Farm Machinery, Tools, Trucks, Meat Saw, Antiques. Along Business Rt 15 midway between York Springs and Heidlersburg thence turning W onto Short Lane in Adams Co , PA Wilmer G Keckler, Owner. Clair R. Slaybaugh, Auct

TUES. FEB. 7 - Farm Machinery, Horses. 1 mi S of Gap, PA David Beiler. Steve Petersheim & Steve Jr , Aucts

THURS FEB. 9 - 9 30AM Horse Drawn Farm Machinery, 30 Hi Grade Heifers, 4 Sorrel Mules, Hay, Straw 1 mi. E of Gap. Levi & Sadie King. Steve Petersheim & Steve Jr , Aucts

THURS. FEB. 9 - 1PM 196 Acre Modern Dairy Farm, Bainbrige, PA. J Omar Landis Auct. Serv Jay M Witman

FRI. FEB. 10 - 9AM Equipment Sale at New Holland Sales Stables Inc., 12 mis. E of Lancaster on Rt 23, New Holland, PA

FRI. FEB. 10 - 1.30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

SAT. FEB. 11 - 12 Noon Farm Eq. Located along Denver Rd., 1 mi. W. of 272 & Turnpike interchange. Terms by: Abram N. Zimmerman. Paul W. & LeRoy S. Horst, Aucts.

SAT., FEB. 11 - 1PM, Arnold's 58th Hog Sale, Lebanon Fairgrounds, Lebanon, Pa 100 Bred Gilts, 40 Boars, 40-50 open gilts. Auctioneer, Harry Bachman.

TUES. FEB. 14 - 10AM Farm Equip. located approx. 6 miles NE of Reading. From St. Lawrence follow Rt. 562 approx. 4 miles to Lime Kiln Rd , turn left, watch for sale signs. Terms by Donald & Megan Aloan, Elton Horning, auctioneer.

TUES. FEB. 14 - 10AM Quilt & Buggy Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster, PA, on Rt. 23, New Holland.

WED. FEB. 15 - 12Noon. Valley Bell Farm. 95 Reg. Holstein Cattle, Few Top Grades. Montgomery, Pa. 13 Miles From Williamsport. Burton Staman, Sr. Retirement Sale. Sales Manager- Gordon Wood, Mansfield, Pa

WED. FEB. 15 - Farm Machinery, Holstein Herd, Horses. Perry Co., 1 mi. S. of Blaine, PA. Elmer F. & Leah Fisher. Steve Petersheim & Steve Jr , Aucts

THURS. FEB. 16 - 9 30AM Horse Drawn Farm Machinery, HH, Antiques, Work Horses Little Britain Ben & Sadie Swarey. Steve Petersheim & Steve Jr , Aucts.

FRI. FEB. 17 - McConnellsburg, PA. Complete Farm Machinery Dispersal. Johnston Bros., Owners. Lyle Reed & Art Kling, Aucts.

FRI. FEB. 17 - 9:30AM Horse, Dairy Cattle, Horse Drawn Machinery. 2 mis. SE of Belleville, PA, turn off Rt. 655 at Medical Center, 1 mi. to farm lane. Mr. & Mrs. J.C. Swarey. Mark Glick, Auct.

FRI. FEB. 17 - 10AM Horse Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. FEB. 18 - Dairy Herd, Dairy Eq., Farm Implements Located 1 mi. NE of Martindale, just off Gristmill Rd. along Centerville Rd. in Earl Twp., Lanc. Co., PA. Warren Sauder, Owner. LeRoy S. Horst & Lamar Sensenig, Aucts.

SAT. FEB 18 - 9AM Farm Machinery, Few Antiques. Take Rt 272 approx. 15 mis. S of Lancaster, PA, turn west on Oscola Rd , 2nd farm on right. Lloyd G Lefever Kreider & Kline & Good, Aucts.

SAT. FEB. 18 - 9:30AM HH Goods, Full Line Modern Farm Eq. 4 mis. NE of Myerstown, 5 mis. S. of Bethel, 1½ mis. N. of Rt. 422 along Wintersville Rd., Berks Co., PA. By: John N. & Esther G. Oberholtzer. Snyder & Diffenbach, Aucts

SAT. FEB. 18 - 9:30AM Horses 11AM. At Belleville Livestock Mkt., Belleville, PA. Special Horse Sale and Tack.

TUES., FEB. 21 - 9AM Located: Gordonville, Pa. Full Line Of Farm Machinery, 3 Pair Top Of The Line Sorrell Mules. Owner, Jonathan & Katie Stoltzfus. Auctioneer, Steve & Steve, Jr. Petersheim.

TUES. FEB. 21 - 9AM Livestock & Farm Eq. 1 mi. E. of White Horse, ¼ mi. N. of Rt. 340 along Plank Rd., Gap, PA. For: Aaron F. Stoltzfus Diffenbach's Aucts.

TUES FEB. 21 - 9AM Late Model Farm Machinery & Tractors. Edwin Horning & Sons, Ephrata, Lanc. Co , PA. Aucts. Rentzel, Wolgemuth & Goodrich.

See Kencove High Tensile Fence 10% Discount Coupon In The "B" Classifieds Under Livestock Equipment

412-459-8991

COMPLETE DISPERSAL AT PUBLIC AUCTION

SATURDAY, JANUARY 14, 1989
10:00 A.M.
B and B DAIRY
Hagerstown, Maryland

NOTICE: HAVING SOLD THEIR DAIRY HERD AND DISCONTINUING FARMING OPERATIONS DUE TO HEALTH REASONS, WILL BE SELLING FOR

CHARLES BEARD and SON

Located just off U.S. Route 40 east of Hagerstown on Robinwood Drive near the intersection of Mount Aetna Road.

4 TRACTORS and SKID LOADER

CASE 2294 diesel tractor with factory cab, 135 hp, 1176 hours, power shift, ground speed sensor, front weights, air conditioning/heating system and Audiovox stereo with cassette in cab; OLIVER 1750 diesel tractor, hydra-power drive, narrow front, 3 pt.; INTERNATIONAL 656 diesel tractor, hydro, p/s, wide front, Koehn cab; FARMALL Super C tractor; GEHL 4400 hydracat skid loader with Ford water-cooled industrial engine, hay prong and dirt bucket, manure forks, roll over protection.

FARM EQUIPMENT and MISCELLANEOUS

HESSTON 4600 square inline baler; INTERNATIONAL 3650 round baler (Note: both balers are only 1 year old); GEHL BC 1500 round bale mover; INTERNATIONAL 1190 hay conditioner; GEHL 750 thirty inch chopper (used two seasons); HESSTON STAK HAND 10 stacker; GEHL 308 V rake with 3 pt. hitch; WHITE 543 six row no-till corn planter; OLIVER 76 planter with fertilizer and seed box; STAK-TOTE stack mover with cylinder; PEQUEA pull type hay tedder with PTO; KOOLS BROS. KB-54 forty foot blower with PTO; (2) BADGER BN 950 tandem sixteen foot wagons; DANCO sixteen foot wagon, DUTCH BROS. eighteen foot wagon; (2) other wagons including 18 and 14 foot in sizes; LITTLE GIANT 42 foot elevator for hay or grain; WOODS CADET 72 six foot rotary mower; INTERNATIONAL 55 eleven tooth 3 point hitch chisel plow; OLIVER I-75 sixteen inch semi mount five bottom plow; ATHENS 131 transport disc; COBY cultipacker; KNIGHT 180 spreader; INTERNATIONAL 36 tooth harrow; JOHN DEERE offset disc; two row cultivators; DANCO scrapper blade; LOG splitter with 3 pt. hitch; FARMHAND model 6026A rotary snow blower with 3 pt. hitch; saw mantle; equipment for parts; boom pole, tractor tires, two wheeled cart, antique two-horse drawn reeper, selection of metal and wooden gates; (4) 275 gallon water tanks, mineral feeders, feed bins, large concrete troughs, square feed racks, fence charges, cylinders; ONAN PTO generator; LINCOLN model AC 225S arc welder; DAYTON floor model bench grinder; 20 ton shop press, 3 ton hydraulic jack, hydraulic cylinders, hand tools, garden tools, all types of hardware, rope, chain, Ford tractor pulley, tarps, seeders, barb wire, hip hoist, lots of buckets, and many other related items.

MOBILE HOME, ARMOR 12 by 50 mobile home with 2 bedrooms, living room, kitchen and bath.

1965 GMC cattle truck with racks in good running condition (60,000 original miles).

ALSO some furniture and antique items.

DAIRY and FEED EQUIPMENT

MUELLER 1,000 gallon milk tank; KLENZADE Kleen A Tank; General Ionics water conditioner; RUDD model P652-2 electric water heater; double stainless steel tanks; Dari-Kool Bou-matic milkers; pipeline for 36 stanchion barn; (18) Jamesway and (18) Patz barn cleaners; feed carts; Patz silage unloader (20 ft.) Patz chain drag for feeder with roof (72 ft.); Apollo SX-18 semen tank with 50 units of semen; and other related items.

SEVERAL thousand bales of hay including first and second cuttings of alfalfa.

REMAINDER of round bales of alfalfa, clover and sudan on sale day.

SEVERAL thousand bales of straw.

Terms of Sale: Cash or approved check. Positive identification required for registration. Nothing to be removed until settled for. Not responsible for accidents. Food rights reserved.

T.E. BIKLE, CLERK

James G Coc

J.G. Cochran
AUCTIONEERS & ASSOCIATES LTD
Professional Construction and Equipment Auctioneers
P O. Box 222, Boonsboro, MD 21713
(301) 739-0538

ALDERFER AUCTION
ANTIQUES, COLLECTIBLES, TOOLS
AT: THE ALDERFER AUCTION CENTER
501 FAIRGROUNDS ROAD
HATFIELD, PA

***THURSDAY, JANUARY 12, 1989* 9:00 A.M.**
***PREVIEW WED. EVE. JAN. 11,* 5:00-7:00 P.M.**

ANTIQUES- "Oak" rd. ext. table (clawfoot), side board, dbl. bed, bureau, knee-hole desk, rocker, ptd. tallcase clock, Vic. curio shelf, ball & claw foot Chippendale style sofa, oak stepback cabinet, washstand, Morris chair, Victor Victrola, M.W. sewing stand, marble top dresser, cane seat chairs, mantle clock, spool turn dbl. bed, pine hutch (w/open top), 2 dr. china cabinet, bench, bookcase, 2 dr. cabinet w/lid; foot stool, crocks, jugs, chairs, frames, treadle sewing machine, Empire bureau, etc.

ART- Oil paintings on hardboard - (2) by Ebermoser (Inn River, & Bavarian scene), others include portrait & stillife, Maxfield Parrish print "Daybreak", (2) Currier & Ives prints- "The Old Ruins", "Pride of the South"; **CHINA & GLASSWARE-** Includes misc. pcs., pink depression, etc.

FURNISHINGS- Mah D.R. suite, dining table, pine blanket chest, bedroom suite, slantfront desk, pr. bunk beds, cedar chest, trestle table, Sharp microwave oven, Kenmore vac., kitchen utensils include S S pcs., wicker chairs, filing cabinet, etc.

GUNS- Savage .300 lever action take down model 99 rifle, Parker Bros. 10 ga. dbl. Hammer Shotgun, (4) handguns including "The American" dbl. action 32 cal., Iver Johnson #14849 32 cal., Horwich Arms Co. 32 cal, & a Derringer.

LAWN, GARDEN- Jacobsen 8 H.P. riding lawn tractor, Simplicity 4 H.P. rototiller, 2 wheel dump trailer, wheelbarrow, hedge trimmer, hoes, rakes, picks, hatchets, etc. **TOOLS-** Drill press, lathe, Craftsman 10" radial saw & router, B&D saber saw, Craftsman 12" band saw, vib. & Sears belt sanders, B&D platform brackets, Craftsman 10 & 7¼ table saws, 14" jig saw, ½ " elect. drill, work bench, bench & lg. shop vises, 4 amp. battery charger, anvil, lg. shop vac., many misc. sockets including one set Flex Vulcan & ½ & ¼ sets; many rachet attachments, steel rails, micrometers, many taps, Vibra & many new Craftsman tools, Novar alarm system, power grinder, misc. wrenches & punches; claw, blacksmith & metalwork hammers, roofing irons, wood saws, wood clamps, files & chisels, freon tank w/fittings, cutting torches, many new grinding wheels, brace, breast & power drills, many drill bits, screw drivers, pipe wrenches, pliers, pipe & bolt die sets, mason trawls, misc lathe tools, many misc. machinist tools, rules, etc.; Old tools including planes & axes, blacksmith tongs, (2) iron wagon wheels, eyes, old car tools, jacks & collectibles. PLEASE NOTE: THIS IS A BUSINESS LIQUIDATION OF MANY NEW & USED TOOLS & HARDWARE. SECOND AUCTION BEGINS AT 9:30 A.M. IN THE GALLERY WITH HOUSEHOLD GOODS, FURNISHINGS, & TOOLS.

TERMS- CASH **BREAKFAST/LUNCH**

ALDERFER AUCTION COMPANY
501 Fairgrounds Road • Hatfield, PA 215) 368-5477

PA No. AU-001117-L

Petersheim Auctioneers

Public Sale

Friday, March 3, 1989

Real Estate 12:30 P.M.

30 Acre Fruit Farm

Personal Property 9:30 A.M.

Large 4 bedroom stone house, retail store, 40x80 perma building an established business, Lapps Mkt.

Located in Lancaster Co., Pa. 2 miles southwest of Christiana on Valley, 6 mile east of Quarryville, from Rt. 896 go East on Valley, from Rt. 41 go west on 372 to Valley Rd.

Real Estate

Consists of 30 acres. 25 acres in fruit trees in high state of production, mostly all young trees, an additional 10 acres on lease, planted in fruit trees.

Orchards in excellent condition, well maintained.

Improvements

Consist of 2 and half story 4 bedroom stone house, full bath, 2 powder rooms, laundry, kitchen and dining area, 3 fireplaces, great view, large pond in lawn area, bank barn presently used and retail store and storage, walk in cooler, also 40x80 storage metal building.

Building all excellent condition.

10% down sale day, final settlement on or before 60 days.

Shown by appointment call 215-593-2921 or 215-593-2828.

Watch for full listing of orchard, farm and marketing equipment and inventory.

Lapp's Market
Glenn & Naomi Lapp

Auct:
Steve
Steve Jr. Petersheim
AU001349L

Auct. Note: A great opportunity to purchase an established business.

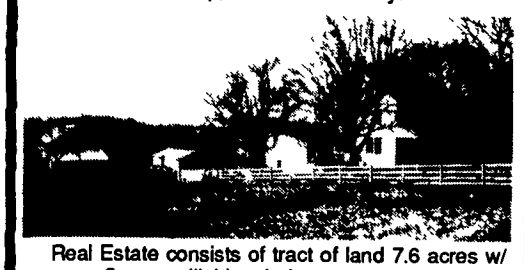
PUBLIC AUCTION

VALUABLE REAL ESTATE
7.6 ACRE FARMETTE
FARM RELATED ITEMS & ANTIQUES

SAT., FEBRUARY 4, 1989

Auction Time - 9:30 A.M.
Real Estate - 11:00 A.M.

Location: From Rt. 23 take Rt. 625 N approx. 5 miles. Turn right onto Oaklyn Dr. Go approx. 7/10 mile turn right onto Silver Hill Rd. to property on right. Brecknock Township, Lancaster County.



Real Estate consists of tract of land 7.6 acres w/ approx. 5 acres tillable - balance pasture.

2½ story frame w/siding, 4 bedroom country house w/modern eat-in kitchen, living room; modern full bath and 2 other first floor rooms, full basement and attic storage.

Small stone and frame bank barn w/horse stalls and cattle pens, frame chicken house and combination garage and workshop.

This is an ideal rural family property or retirement gentleman farmette. Zoned Agriculture.

Terms· 10% down day of sale, balance at settlement For details or land plotting, etc., call auctioneers at 215-445-4309 or 717-733-1006.

Open House Sat , Jan. 21 and Jan 28 from 1-4 P M or by appointment.

Terms by

Rufus M. & Anna Mary Reiff

Auction conducted by
Randal Kline, Lloyd Kreider,
Roy Good Jr., Auctioneers, AU-2116-L

Kline & Kreider Auctioneers

215-445-4309

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

TUES. FEB. 21 - 10AM Farm Machinery & Tools Mifflin Co , 2 mis E of Lewistown, PA, along Rt. 522. Max Hook. Mark Glick, Auct

TUES. FEB. 21 - 10AM Farm Machinery & Mules. Located from Strasburg take Rt. 896, 1½ mi. to Paradise Lane, turn S. to Resevoir Rd., first lane right Terms by: Elmer Fisher Kreider & Kline Aucts.

FRI. & WED. FEB. 17 & 22 - 12 Noon & 9AM Respectively Dairy Herd Dispersal & Dairy Eq., HH, Full Line of Farm Eq. ½ mi. N of Bird-in-Hand, turn off Rt. 340 on Beechdale Rd. Terms by. Samuel Beiler. Robert E & Jeffrey R. Martin, Aucts.

WED FEB 22 - DATE CHANGE! 10AM Farm Machinery, 5 Head Mules, HH, Antiques Lanc Co., PA. Katie Blank. Steve Petersheim & Steve Jr., Aucts.

WED. FEB. 22 - Mercersburg, PA Complete Line of Farm Machinery. Gerald Byers, Owner Kling's Aucts. Inc.

THURS., FEB. 23 & FRI FEB. 24 - 9AM Public Auction of antique tractors, engines, new, used and abused farm equipment located 10 miles east of Lancaster, 2½ miles west of New Holland. Turn off Rt 23 on S. Groffdale Road, turn left on Musser School Road, Lancaster County, Pa Terms by Elias S Beiler 717-656-9733. Aucts. - Robert E and Jeffery R Martin, Blaine Rentzel, Fred Goodrich, Jr and Gerald Hoover, Apprentice.

FRI. FEB 24 & SAT FEB 25 - 9AM 2 Day Sale. Farm Machinery, Personal Property. Adams Co. Norman & Leola Bang. Kline & Kreider Aucts.

FRI. FEB. 24 - 9AM Livestock, Horses, Farm Mach Mifflin Co., 3 mis N of Reedsville, PA, along Church Lane. David D Zook Mark Glick, Auct.

FRI FEB. 24 - 1.30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc Exit 12 Off I-81, Phone 717-249-4511.

SAT. FEB. 25 - Wellsville, York Co , PA. HH, Antiques, Farm Machinery Carl & Creaty Harbold, Owners. Kling's Aucts Inc

SAT. FEB. 25 - 8 30AM Strasburg Fire Co #1 15th Annual Public Auction Livestock, Farm Machinery, Antiques, Household Goods Managed by Miller & Siegrist and Local Auct's

SAT. FEB. 25 - 9AM Full Line of Farm Machinery Mifflin Co., ¼ mi W. of Granville, PA, 4 mis W of Lewistown on Rt 103 Daniel B. Stoltzfus. Mark Glick, Auct.

SAT. FEB. 25 - 9AM Consignment Auction at Paul Zimmerman Farm, along Plaesant Valley Rd., West Earl Twp , Lanc Co , PA By. Paul Zimmerman & Ivan Martin. Reist Aucts.

SAT. FEB. 25 - 9 30AM HH, Full Line Farm Machinery, Ear Corn. 3 mis S of Quarryville along Rt 222 in East Drumore Twp., Lanc Co , PA. Terms by: Lester H. & Mary R. Ranck. Robert E. & Jeffrey R. Martin, Aucts.

SAT. FEB. 25 - 10AM Holstein Dairy Cows and Farm Eq. 4 mis. N of Bowmansville, along Rt. 625, Berks Co., PA. Terms by: Paul M. & Eva S. Brubaker Horning Farm Agy. Inc.

SAT. FEB 25 - 11AM Approx. 100 Registered Holstein Cows, Approx 20 Grade Cows. Fertrell Co., along Rt. 441, Bainbridge, PA. Backus Assoc. 717-367-9236

MON. FEB. 27 - John McMullen Potato Farm Dispersal, Ashville, PA, 9 mis. N. of Altoona. Pirrung Aucts. Inc., Box 365, Wayland, NY. 716-728-2520.

TUES. FEB 28 - Located 2 miles northeast of Gap Full line farm machinery (4) tractors, Int. 886 w/cab, radial tires. Equipment all in mint condition Christian & Katie Zook, Owners Steve Petersheim & Steve Jr Aucts

TUES. FEB. 28 - 9AM Good Line of Farm Eq Mifflin Co., between Reedsville & Belleville, PA, along Garver Rd Mahlon Peachey Mark Glick, Auct

TUES FEB. 28 - 9 30AM Modern Farm Eq Take 896 S of Strasburg to Rt 372 E. 1 mi. turn S on Quaker Church Rd. 3 mi. through railroad underpass, 1st lane left Lanc Co., PA Kenneth G Stoltzfus 215-593-2363. Diffenbach Aucts.

TUES FEB. 28 - 10AM Farm Equip. located approx. 9 miles NE of Reading between Yellow House & Oley just off Rt 662 along Oley Turnpike Rd. Terms by Samuel L & Joyce Mast Elton Horning, auctioneer.

MARCH

WED. MAR. 1 - 9AM Located: Irishtown Rd., Ronks, Pa. Farm Machinery, Mules & Household Goods Owner, Mary Lapp Auctioneer, Steve & Steve Jr. Petersheim

WED. MAR 1 - 11AM Farm Tractors, etc located 2 miles Northwest of Danville, Pa. Owner Robert Patterson. Fraley Auction Company.

THURS. MAR. 2 - RD, Newville, PA. Complete Machinery Dispersal Glenn & Hope Glesner, Owners. Kling's Aucts. Inc.

THURS. MAR 2 - 9AM Holstein Herd, Farm Machinery Chester Co , Moscow Rd. Christ K. King, Owner Steve Petersheim & Steve Jr., Aucts.

THURS. MAR. 2 - 9AM Dairy Cows, HH, Farm Eq. Located approx. 3 N of Intercourse along Centerville Road. For: Samuel S Lapp Robert E & Jeffrey R. Martin, Aucts 717-656-7770

THURS. MAR. 2 - 10AM Farm Machinery. Mifflin Co , 2 mis S of Belleville, PA Marlin W Peachey Mark Glick, Auct

FRI MAR 3 - 9AM Annual Spring Machinery sale at Belleville Livestock Mkt Selling all kinds of machinery & on consignment B L Mkt Inc.

FRI. MAR 3 - 9:30AM 30 Acre Fruit Farm, Personal Property. Lanc Co , PA. 2 mis SW of Christiana on Valley, 6 mis. E of Quarryville, from Rt 896 go E. on Valley, from Rt 41 go W on 372 to Valley Rd. Lapp's Market Petersheim Aucts

FRI MAR 3 - 10AM Horse Sale at New Holland Sales Stables Inc., 12 mis E of Lancaster on Rt 23, New Holland, PA

FRI & SAT MAR 3 & 4 - 9.30AM Ea Day. 2-Day Public Auction 19th Annual Consignment Sale Donald Scheese Farm, Cohansey-Freiesburg Rd , Elmer, NJ 609-455-3462

SAT. MAR. 4 - Farm Implements, Carpenter Tools, Dairy Heifers, HH. Located along Center Church Rd , midway between Terre Hill & Bowmansville, 1 mi. W of Center Church Mahlon Horning, Owner LeRoy S & Paul W. Horst, Auct

HAY STRAW AND GRAIN SALES
EVERY WEDNESDAY AT

12:00 O'CLOCK NOON
AT GOODS AUCTION,
111 NORTH MAPLE AVE.,
LEOLA, PA.

A.H. 000014-L
Terms: Cash
No Out-Of-State Checks
We Do Order Buying To Established Credit

FERTRELL COMPANY

ABSOLUTE PUBLIC AUCTION

No Reserves "Selling To The Highest Bidder" *No Minimums*

195 ACRE MODERN DAIRY FARM

Lancaster County — Conoy Township
"Zoned Agricultural Preserve"

THURSDAY, FEBRUARY 9, 1989

1:00 P.M.

Located Along Route 441, Bainbridge, Pa.
Directions: Take Route 30 West of Lancaster, Pa. to Columbia Exit, Take Route 441 North Approx. 8 Miles to Farm Site.

TO INSPECT REAL ESTATE CALL ANYTIME
Office Hours — 717-367-1566 — 8:00 A.M. to 4:30 P.M.
After Office Hours — 717-367-3986

"To Be Offered in Two Parcels And As A Whole"

Parcel #1: 45.940 Acres of Gentle Rolling Limestone-Loam River Soil With 2,405 Feet of Road Frontage Along Route 441 & 900 Feet of Road Frontage Along Locust Road.
Parcel #2: 149.027 Acres of Most Flat Limestone-Loam River Soil With 3,884 Feet of Road Frontage Along Route 441 Approx. 127 Acres Tillable.

Featuring The Following:

1) 40'x160' Modern Metal Frame Dairy Barn w/Westfalia Pipeline Systemat; Insulated w/Control Pressured Ventilation; 50 Comfort Stalls; 5 Large Box Stalls.
L-Shaped Modern Paneled Offices; Bathroom.
Milkhouse w/1500 Gallon Mueller Hi Perform Tank; 2 6-Ton GSI Feed Bins.

2) 40'x110' Modern Metal Frame 96 Free Stall Barn w/Large Drive-In Feed Room.
20'x70' Harvestor Silo w/Unloader; 20'x35' Harvestor Silo w/ Unloader; 16'x60' Concrete Stave Silo w/Unloader w/Bunk Feeders; 32'x26' Harvestor Slurry Store w/Pumps.

3) 60'x100' Frame Bank Barn Convented Into Loose Housing For Heifers And Dry Cows w/10'x50' Concrete Stave Silo.

4) 2¼ Story Frame House w/Enclosed Porch & Summer Kitchen; 3 Bedrooms w/Closets; 1 Full Bath; Large Modern Farm Kitchen w/Utility Room w/Washer & Dryer Hook-up; Formal Living Room w/Wall-to-Wall Carpet; Family Room w/Fireplace; Oil Hot Air Heat Also Supplementary Wood; Shennadoah Wood Furnace; Attic/Basement.

5) 1987 24'x48' Double Wide Herdsman's House on Foundation; 3 Bedrooms; Living & Dining Room Combination; Full Bath; Modern Kitchen w/Washer & Dryer Hook-up; Propane Heat.

6) Drive-Through Corn Barn; Large Frame Tobacco & Implement Shed- Capacity to Hang 15 Acres.

*** FOOD SERVED ***

Terms: 10% Down Day of Auction, Balance Within 45 Days.

Assumable Financing Available to Qualified Buyers. Contact Daryl Gross at: Farm Credit Service, 411 W. Roseville Rd., Lancaster, Pa. 717-291-1855

Attorney:
George Alspach
Lancaster, Pa.
717-393-3939

Auction For:
Fertrell Company
Rufus S. Miller, President
Box 265, Bainbridge, Pa. 17502
717-367-1566

Auction Conducted By:
J. Omar Landis Auction Service
Jay M. Witman, AU001127-L
Box 501, Apple & Robert Sts., Ephrata, Pa. 17522
717-738-7920 or 717-665-5735
"Our Services Often Copied But Never Duplicated"

ANNOUNCEMENT:

Saturday, February 25, 1989
Starting at 11:00 A.M.
Approx. 100 Registered Holstein Cows
Approx. 20 Grade Cows

For Additional Information, Catalogues
Contact Backus Associates
717-367-9236

Saturday, March 11, 1989
10:00 A.M.
Approx. 100 Ton Corn Silage
150 Ton Haylage
Full Line of Farm Machinery

For Additional Information Contact
J. Omar Landis Auction Service

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT. MAR. 4 - Meiserville, PA. Livestock & Farm Machinery. David Weaver, Owner. Kling's Aucts. Inc.

SAT. MAR 4 - Farm Machinery & HH Eber A Barrick, 42 Clay Rd , Carlisle, PA, Rt 11, 5 mis. S of Carlisle turn N at Golf Course onto Greason Rd to Clay Rd., turn left and 1 mi. to farm. Rife & Lay, Aucts.

SAT. MAR 4 - 9:30AM Farm Machinery, Dairy Eq. Centre Co , between Spring Mills and Milheim, PA. Russel Tice. Mark Glick, Auct.

SAT. MAR. 4 - Bart Township Fire Co All Day Sale of General Merchandise. Building Materials Only Sale March 18.

MON. MAR 6 - Stanley Sayre/John Miner Potato Farm Dispersal, Mantua, Ohio. Between Cleveland, Youngstown, and Akron James P Pirrung 716-728-2520

TUES. MAR. 7 - Farm Machinery, Personal Property. Phares G. & Emma Reiff, along Indiantown Rd NW of Ephrata, PA, Clay Twp. Kline, Kreider, Good Aucts

TUES. MAR. 7 - 9AM Public Auction of Farm Machinery, Livestock, and Household Goods Located 1½ mile north of Churchtown, along Hammetown Road Sale by Benuel and Katie King. Snyder and Horning, Auctioneers

TUES. MAR 7 - 9AM Large Line of Farm Machinery & Misc. Farm Items Huntingdon Co , between Petersburg & McAlevys Fort, PA, along Rt. 305 Eberle Brothers Mark Glick & Dale Gibboney, Aucts

TUES MAR 7 - 9AM New Farm Eq 5 mis. E. of Elizabethtown along Harvest Rd By Blain A Wingert Raymond Miller, Jim Hershey, Rufus Geib, Aucts

TUES MAR 7 - 9.30AM Farm Machinery, 4 pair of top of the line sorrel mules, few household goods Located 2 miles south of White Horse Sale for Jonas L and Sadie Stoltzfus Petersheims, Aucts

TUES MAR 7 - 9 30AM Livestock & Farm Eq 2 mis SW of White Horse, 5½ mi E of Intercourse, 1 mi S of Rt 340 along Nullwood Road, Lanc Co , PA John E Stoltzfus, Owner Diffenbach's Aucts

WED MAR 8 - RD5, Newville, PA Complete Line of Farm Machinery Ronald & Louise Baer, Owners Kling's Aucts Inc

THURS MAR 9 - Modern Farm Machinery & Related Items Located RD1, Port Royal Keith & Carol Coddington, Owners Bryan D Imes, Auct

THURS MAR 9 - PA World Relief Heifer Sale at Kolb's Sale Barn, Lancaster, PA Wilmer Kraybill, Sale Mgr

THURS MAR 9 - 9AM Messick Farm Eq Annual Consignment Auct Raymond Miller, Jim Hershey, Rufus Geib, Aucts

THURS MAR 9 - Veg & Irrigation Eq For John DeMarco, Hammonton, NJ Col Fred R Daniel, Auct

THURS MAR 9 - 9AM Farm Machinery for C Witmer Sherer, Manheim, PA J Omar Landis Auct Serv Jay M Witman

FRI MAR 10 - 9AM Equipment Sale at New Holland Sales Stables Inc , 12 mis E of Lancaster on Rt 23, New Holland, PA

FRI MAR 10 - 9AM Horses, Farm Machinery, HH, Antiques Mifflin Co , turn off Rt. 655, 2 mis. W. of Reedsville, PA, onto Coffee Run Rd., 1½ mis to farm Manasses J Yoder. Mark Glick, Auct

FRI. MAR. 10 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

SAT. MAR. 11 - RD4, Carlisle, PA. Farm Machinery Dispersal. Calvin Smith, Owner Kling's Aucts Inc

SAT. MAR. 11 - Farm Equipment. Located along Hammertown Rd., 1 mile north of Churchtown, Caenarvon Township. John H Martin. Paul W. and Leroy S Horst, Aucts.

SAT MAR 11 - 8:30AM Annual Spring Sale, Gordonville Fire Co., Household Goods, Livestock, Antiques, Quilts. Gordonville Fire Hall, Gordonville, PA, Lancaster Co. Terms by the Sale Committee Local auctioneers.

SAT MAR 11 - 9AM Holstein Dairy Herd & Farm Machinery. Centre Co., 2 mis S. of Aaronsburg, PA. Robert E. Styers. Mark Glick, Auct.

SAT. MAR. 11 - 9AM 150 Holstein Dairy Heifers, small items, etc. Owner moving. Located near Port Trevorton, Pa. Sale for James and Ethan Martin Fraley Auction Co.

SAT MAR. 11 - 10AM Full Line Farm Machinery, Approx. 100 Ton Corn Silage, 150 Ton Haylage. Fertrell Company, Lanc. Co , Convoy Twp. Along Rt 441, Bainbridge, PA. J. Omar Landis Auct Serv

TUES MAR 14 - 9AM Farm Machinery, Tools, misc. Community Sale Along S. Farmersville Rd , 1 mi. S of Farmersville, 2 mis. N. of Bareville, PA West Earl Twp. Terms by: C.W. Shirk Paul Horst & Roy Good, Aucts.

TUES. MAR. 14 - 10AM Farm Machinery, Dairy Eq. Centre Co., 3 mis. S. of Millheim, PA, at Coburn, PA Donald E. & Rosella Moore. Mark Glick, Auct

WED. MAR. 15 - 11AM Farm Machinery, 3 IH tractors, produced for the late Harry Pentz located near Montoursville, Pa. Owner Helen Pentz Fraley Auction Co

THURS. MAR. 16 - 9AM Power Farm Eq , 3 Tractors 1 mi N of Intercourse Jessie & Susie King. Steve Petersheim & Steve Jr., Aucts.

FRI. MAR. 17 - Kling's Sale Barn, Landisburg, PA. Complete Dairy Herd Dispersal. Marvin Stahl, Owner. Kling's Aucts. Inc.

FRI. MAR. 17 - 9AM Valuable Antiques, HH. Salisbury Twp., between Rt. 340 & 322, turn N. off Rt. 340 at E end of White Horse and Cambridge Rd , 3 mis. to Red Hill Rd., turn left, first farm left. Ralph E & Reba Hillard Robert E. & Jeffrey R. Martin, Aucts.

FRI. MAR. 17 - 9AM Easter Rabbit and Poultry Sale at Carlisle Livestock Market, Inc. Exit 12 off I-81. Phone 717-249-4511.

FRI. MAR 17 - 12.30PM Easter Lamb and Goat Sale at Carlisle Livestock Market, Inc. Exit 12 off I-81, Phone 717-249-4511.

FRI MAR 17 - 7PM Horse Sale at New Holland Sales Stables Inc., 12 mis E. of Lancaster on Rt. 23, New Holland, PA.

SAT. MAR. 18 - McConnelsburg, Fulton Co., PA. Farm Machinery. Mrs. Clyde Bivens, Owner. Lyle Reed & Art Kling, Aucts.

SAT. MAR. 18 - Farm Machinery for Mr. Maybury, Rancocas, NJ. Allen Nixon, Auct.

SAT. MAR. 18 - 9AM Large Line Modern Farm Mach. Centre Co., 2½ mi. W. of Boalsburg, PA, along Rt. 45. Autworth Farms, Tessie Wasson. Mark Glick, Auct.

SAT. MAR. 18 - 9AM 26th Annual Spring Sale, Kempton Community Center, Northern Berks Co. 14 Aucts. 215-756-6511

PUBLIC AUCTION

AT RUDNICK'S SALES, ROUTE 213, GALENA, MD.

SATURDAY, JAN. 14th, AT 10:00 A.M.

Featuring The Estates Of Nancy Bulkely Of Chestertown, Md. And Ethel Kendall Of Rock Hall, Md. Plus Others To Include Antique Sheraton Sideboard, Antique Graduated Drawer Chest, M T Empire Hall Stand, Ant. Slant Top Desk, Banquet Table With Demilune Ends And Carved Legs, Music Cabinet, Ant. Tripod Stand, Knee-Hole Desk, Spindle & Arrowback Chairs, Spinning Wheel, Fire Place Tools, Spool Bed, Crocks, Wicker Sofa, Chairs Rocker & Table, Commode, Mirrors, Books, Electric Hospital Bed, Mahogany D R Set, Lady's Desk, Treadle Sewing Machine, Bedroom Sets, Living Room Sofa, Chairs, Lamps, Glassware, China, Silver & Sterling, Jewelry, A Selection Of Oriental Rugs....
Also To Include The Complete Contents Of An Antique Shop From New Castle, Del. Featuring Antique And Old Furniture Tools, Oak Bow Front China Closet, 2 Oak China Cupboards, Oak Plank Bottom Chairs, Old Chopping Block, 4 Carved Victorian Side Chairs, Carnival Glass, Heisey Glass, Pattern Glass, Cut Glass, Ruby Glass, Antique Oil Lamps, (Various Colors), Haviland And Limoge China Pieces, Miniature Oil Lamps, Costume Jewelry, Sterling Serving Pieces, White Carnival Glass Flower Bowl

Our Next Furniture And Antique Sale Will Be Jan. 28th, 1989

HARRY RUDNICK & SONS, INC.
Sales Manager, Auctioneers, Real Estate Broker
Galena, Md. 21635 **Phone: 301-648-5601**

SECOND ANNUAL TOY & BASEBALL CARD AUCTION

SATURDAY, JAN. 28, 10:00 A.M.

Located near Ephrata, PA, just off Rt. 322 at the Brickerville Fire Hall in the village of Brickerville, PA.

TOYS—30's-60's wind up, iron, friction, Tonka, Buddy-L, Keystone, Structo, Marx, Hubley, tin, steel, and die cast. Also some later Winross and Ertl toys. Hundreds and hundreds of toys.

BASEBALL CARDS—Bench and other rookies, Mantle and other stars. Thousands of cards. Send S.A.S.E. for brochure.

NOTE: Please call (717) 626-8175 if you have any consignment for this auction.

E.M. Murry Associates

10 S Broad St
Lititz, PA 17543

Elmer Murry 626-2636
Richard Murry 626-8175
Professional Auctioneers, Appraisers and Advisors
Since 1953
AU-00648-L

PUBLIC AUCTION

CONTRACTOR EQUIPMENT, TRUCKS, JOHN DEERE BACKHOE

SAT., JANUARY 28, 1989

Auction Time: 10:00 A.M.

LOCATION: 1769 West Newport Road, Manheim, PA. From Manheim go east from square on Doe Run Road ½ mile to White Oak Road. Turn left on White Oak Road go approx. 2½ miles to Newport Road. Turn right to auction on right. From Lititz take Route 501 North to Newport Road go west on Newport Road approx. 5½ miles to auction on left. Penn Township, Lancaster County, Penna.

JOHN DEERE 310C BACKHOE
With Front End Loader; Approx. 400 Hrs., Street Pads, New March 1988, 4 Buckets (3 Ft.-1 Ft,), Like New.

1987 GMC 7000 DUMP TRUCK
Approx. 9,000 Miles, V-8 Engine, 5 Spd. w/2 Spd. Rear 33,000 GVW, Pendlehook Trailer Hitch.

1987 EAGER BEAVER TRAILER
10 HDB; High Tensile; Tandem Axle; 24,520 GVW; (2) 1985 GMC Pickup Trucks 3500 Series 1-2 Wd. 40,000 Mi., 1-4 Wd. 32,000 Mi; John Deere 300B Front End Loader 250 Hrs; Universal Concrete Forms, Full Set; Farm Trailer; Ingersoll-Rand Air Compressor 2-60 Lb. Air Hammers; 1-35 Lb. Hammer; Honda G400 4 Ft. 4 Blade Finisher; Stow VRC-80HD Wacker-Tamper; Glazer Transit, Computerized; Log Chains, Misc. Forms Curb, Flex Radius, Sidewalk; Many Other Valuable Items Used In The Concrete Business.

NOTE: Norman is retiring from the concrete business. This is an excellent opportunity to purchase top of the line equipment that has been well maintained and cared for. If you are updating your operation be sure to give this auction your full consideration

TERMS: CASH OR GOOD CHECK DAY OF AUCTION, OUT OF STATE BUYERS MUST have current Bank Letter of Credit addressed for this specific auction. NO EXCEPTIONS.

AUCTION BY

Norman D. & Dorothy H. Sauder
Phone (717) 665-4706

Auction Conducted by
J & P Auctions
Paul E Martin Auct AU-1601
Ephrata, Pa (717) 733-3511
John D Stauffer Auct AU-1509
Manheim, Pa (717) 665-5099

Food at Auction

PUBLIC SALE

TRUCKS — PAYLOADERS — CARS — HIGH BOY
FERTILIZER & LIME TRUCKS — FERTILIZER PLANTS — BOXES — SCALES

After over 125 years of business, Wm. B. Tilghman Co. Inc., is going out of business and will sell the following equipment at absolute public auction on

SATURDAY, JANUARY 28, 1989, BEGINNING AT 10:00 A.M.

FITZWATER STREET, SALISBURY, MARYLAND

Inspection: Thursday, Jan. 26th and Friday, Jan. 27th, from 9:00 AM until 4:30 PM.

1978 International tandem, gas w/boom type, Stolfus spreader body, 5 speed with under-direct over drive range, rebuilt engine 1988, clutch and pressure plate
1979 Ford F-800 w/429 engine, 5x2, 6 ton John Blue hydraulic drive spinner spreader w/48x31x20 tires on rear, very good condition
1974 International with 14' dump body, 5x2 trans
1967 International spray truck with John Blue spray tank, 1200 gal , 5500 pump hydraulic boom with floating single wheel tires approx 15x22 5, cab over This truck was George Littleton's and is in very good mechanical condition
1968 International Cab & Chassis with 5x2 transmission
1986 Chevrolet Celebrity station wagon with 95,000 miles, Auto and air
1981 Chevrolet Malibu, 165,000 miles, runs good, Auto and air
1981 Chevrolet Malibu Station Wagon, 171,000 miles, Auto and air
1977 Chevrolet Impala, 203,000 miles, runs good
1988 Yellow Fellow plastic-mulch layer by Reddick, bedder w/trickle, Electric drive Fundan, will lay on bed or flat, Fumigant knives, up to 5'
John Blue high boy with Ford gas motor, hydraulic boom, adjustable axle, 2- 200 gal S/S tanks
John Blue trailer
Large pallet of John Blue highboy parts
2 Minute Man R&R 8 ton 304 S/S portable fertilizer blenders, 1 located in Salisbury and 1 located in Hurlock plant and will be sold at sale
7 ton Krause stationary fertilizer mixer unit with 6 bin compartment, scale hopper w/10,000 lb Cardinal scales, all starter controls overhead load
2 ton bagging machine complete w/scale, sewing machine, off belt, power belt, hammer mill w/loading belt
Toledo in ground scale Model 4400 w/manual printer, 10'x25', 60,000 lb capacity

FORKLIFTS & PAYLOADERS: Hyster 4000 lb gas forklift, AC 14DA - 4 WD gas payloader w/14x24 tires, TCI C2B20 bucket loader, Hough H25 gas bucket loader, 3 Michigan 12-B gas bucket loaders, 7 5x17 front & 6 50x9 rear, Wakershaw 180 GL engines w/PS, Hough HR, 4 wheel drive loader w/Hercules gas engine, 13x24, PS, with extra tires, Hough HF, 2 wheel drive bucket loader, gas with Hercules engine

SPRAYERS, SPREADERS & FERTILIZER BOXES: Many sets of spray tips, John Blue 400 gal sprayer w/stainless tank, 2 piston pump, 30 boom & 5 knife rig, John Blue 400 gal sprayer, poly tank, 40' boom, single piston pump, with PTO agitator and 5 knife rig, John Blue 300 gal poly tank, single piston pump 5 shank knife rig, John Blue Vorlex machine, 10 knife, single piston pump KA5000, pump just rebuilt, 4 Wilmar 5 ton tandem axle spinner, ex cond , 3 Webster tandem axle fertilizer spinners w/SS chain, 3 Webster single axle Webster fertilizer spinner, 14 Webster 6 ton fertilizer boxes w/engine & augers 4 Webster 6 ton boxes w/augers, 3 Webster boxes only, 25' stainless steel belt conveyor w/carrier

TANKS: 3-22,000 gal fiberglass upright tanks, 12,000 gal aluminum tank, 4 Aluminum 1 000 gal skid tanks w/cradles, John Blue 1,000 gal stainless tank on tandem axle trailer, Killebrew 4 ball liquid fertilizer body, Paler and John Blue transfer pumps, all 3 ph 2- 2,000 gal poly tanks for trailer, 2 1,000 gal balls 3- 4,000 gal poly tanks, 6- 1,500 gal poly tanks, 3 1,200 gal fiberglass tanks, 4- Overhead fill lime tanks, 88 ton, 2- 66 ton, 1- 44 ton, Large asst of 1" to 1½" flex hose, valves, fittings, 7 Pacer pumps w/engine

POLY & INVENTORY: 119 rolls of clear poly 48x400x1 25 clear taffeton SW film, 2 rolls trickle tape 8 mil x 7500 with 12" space, 232 Zinc in 5 gal bucket, 126 Tilgro- 5 gal 5-10-5, Some potting soil & mulch

PALLETS: Covers, Batteries New & used John Blue & Wilmar parts, Int'l radiators, 15 hp rewound motor & gear boxes, Ohio gear boxes for auger Holly paddles for bulk toter John Blue knife rig parts, 1- 2½" valves, Male & female couplers & C-11 chain, Truck seats, Bearings, and a WHOLE BUNCH OF OTHER ITEMS

COMPRESSORS: Quincy 5 hp 3 ph, CLT 5 hp single phase, Champion 3 hp 3 phase; Quincy 325 3 hp 3 phase w/tank.

BUILDING: To be removed from premises by March 31, 1989
(1) 30,000 sq ft wood frame bldg , built in 1918 with 2" random width pine & 4x14" pine floor joists
Also lots of 12x12, 14x14, 16x16 Several thousand feet of antique lumber-take what you want & leave the rest
(2) 40'x60' steel stran & galvanized bldg with 5 steel frames
(3) Fertilizer warehouse- Built in 1975, approx 13,000 sq ft , with thousands of feet of 2x10 & 2x12 pine, over 144 salt treated poles 35'-40 Lot of threaded rod

OFFICE EQUIPMENT: Complete office- IBM model 102 desk top copier, IBM typewriter, Steel Case desk, Filing cabinets, 11 Push button phones - 4 lines w/intercom, 13 station, conference call, NCR 499 bookkeeping machine

SHOP: DuraCraft grinder, Wildcat HD grinder, Lincoln 225 welder, 5 hp compressor, Sand blaster, Press, Benches, Heater, Cabinets, Boxes of new parts and goodies

Directions: Go to Salisbury, Md., get on Rt. 50 west side of Salibury, turn beside Perdue dressing plant, go 1 block to Fitzwater St., turn right on Fitzwater St.
Good motels in Salisbury or fly commercial or private to airport. We will pick you up.
Delivery service available.

Terms: Cash or good check on day of sale.

WILLIAM B. TILGHMAN CO. INC.

PETE RICHARDSON AUCTION SALES
P O Box 51 Willards MD 21874

Phones: 301-546-2425 Office 301-742-6220 Home

Dairy and Livestock Sales

Public Auction

Of Farmette 5 Acres M/L Zoned R.1

SAT. JAN. 28, 1988

Sale At 2:00 P.M.

Located 4 miles East of Blue Ball along Rt. 322, 2½ miles west of Honey Brook, Caernarvon Twp., Lanc. Co. Pa. Pa.

2½ story dwelling w/siding, kitchen w/built in cabinet, elect. stove hood, dining room, living room, hardwood floor, full bath, bedroom w/wall to wall carpet & closet.

3 room, full bath on second floor, full basement, oil fired hot water baseboard heat, laundry hookup, well w/pressure system, small bank barn w/box stall, spring-fed stream.

Auct. Note: Sub divided, 4 lots one standard perk test.

Open for Inspection Sat. Jan. 7 & 14 from 2:00 till 4:00 p.m. or for appointment call 354-2116, 10% down day of sale, balance on or before March 15, 1989.

Terms By

LeRoy & Elizabeth Smucker

Auct.
Robert E. & Jeffrey R. Martin
656-7770- AU000580L
Gerald Hoover App.
Wentz, Weaver & Kling Atty.

TWO EXCITING PUBLIC AUCTIONS!

Small Arena, Farm Show Building, Thursday, Jan. 12, 7 PM

PENNSYLVANIA AUCTIONEERS ASSOCIATION ANNUAL CHAMPIONSHIP BID CALLING CONTEST

Come hear licensed auctioneers from across the Commonwealth of Pennsylvania compete to be the best bid caller of all auctioneers!

FIRST PRIZE- $200 SECOND PRIZE- $100

Top ten auctioneers will be awarded prizes. Come buy a large selection of brand new merchandise!

Harrisburg Marriott, Friday, Jan. 13, 7 PM

PENNSYLVANIA AUCTIONEERS ASSOCIATION ANNUAL FUN AUCTION

Come Watch!
Auctioneers sell donated items — antiques, jewelry, collectibles, etc!
Come Buy!
All proceeds benefit the non-profit Pennsylvania Auctioneers Association!

IF YOU LIKE AUCTIONS, YOU'll LOVE THESE TWO EVENTS!

Ronald D. Funk
AU 314L

FARMERSVILLE AUCTION

TUES., JAN. 10, 1989

3:00 A.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Selling For Arthur & Mary Quinn of Cedar Acres, Lanc. Farmers First Bank, Lititz, Plus Additions.

Pa. House Cherry Table w/6 Chairs & Buffet; Double Mah. Pineapple Poster Bed; Extra Nice Double Bedding Set; 3 Pc. Bedroom Suite (No Bed); Corner Cupboard; Brown Lazy Boy; Color Console TV w/Remote Control; R.C.A. Color Console TV; Apt. Size Chest Freezer; Mah. End Tables; Green Sofa; 2 & 4 Drawer Filing Cabinets; Bookshelves; Solid Cherry Dresser & Mirror; Brown 2 Pc. Colonial Livingroom Suite, Like New; 4 Pc. Blonde Bedroom Suite; Pine Kneehole Desk; Pine Bookshelf; Temple Stuart 5 Pc. Dinette Set; Folding Cot; Nice 2 Pc. Maple Hutch; Maple Chests Of Drawers & Dressers; Cherry Double Bed; 6 Pc. Maple Bedroom Suite w/ Single Bed; Heavy Pine Rocker; 2 Sets Maple End Tables; 4 Pc. Pine Bedroom Suite w/ Hutch Mirror; Double, Queen, & Single Bedding; Gibson Refrigerator; Walnut King Size Bedroom Suite; 3 Pc. Mahogany Bedroom Suite; Dishes; Small Items; Box Lots; Everyday Dishes; Glassware; Collectibles; Etc., Etc.

Furniture Sells At 7:00 P.M.

WE SELL ON COMMISSION

Call JOHN J. RUTT
(717) 354-5095
R4 Ephrata

Auctioneer: Larry Rutt
AU-2455-L

Public Auction Register

Closing Date Monday 5 00 P M of each week s publication

SAT. MAR. 18 - 9AM Fraley's Annual Spring Consignment Sale located 3 miles east of Muncy, Pa. Sale conducted by Fraley Auction Co.

SAT. MAR. 18 - 9:30AM Farm Machinery, Sows, Shoats, HH. Chester Co., PA, Moscow Rd. Jacob H King, Owner. Steve Petersheim & Steve Jr., Aucts.

SAT. MAR 18 - 9:30AM Holmdel Valley Farms Large Farm Machinery Auction at Holmdel, NJ. Col. Fred R Daniel Aucts.

MON. MAR. 20 - Farm Eq. Consignment Auction at M.M Weaver's, Groffdale, PA. Paul E. Martin & John D Stauffer, Aucts.

TUES MAR. 21 - Tractor & Combine Cons. Auction at M M. Weaver's, Groffdale, PA Paul E Martin & John D. Stauffer, Aucts.

TUES. MAR. 21 - 12 Noon Holstein Dairy Herd, Milk Eq Centre Co., 2 mis. E. of Aaronsburg, PA, along Rt 45. Dean Winkelbech Mark Glick, Auct

THURS MAR. 23 - Late Model Hay & Grain Machinery. For Somerville Sheep Farms, Farm Rd , Somerville, NJ. Col. Fred R. Daniel, Auct.

THURS. MAR. 23 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

WED. THURS. FRI. MAR 22, 23, 24 - Farm Eq. Marion, PA. Ralph W Horst, Mgr.

SPAHR'S CENTURY FARM

COMPLETE HERD DISPERSAL

Robert & Naomi Spahr, Lititz, PA

Complete Grade Milking Herd, Bred & Open Yearling Heifers Dispersal. To Be Sold At Smoketown Quality Dairy Sales.

(TUESDAY, JANUARY 17- 12:00 NOON)

Robert is retiring from the dairy business after 40 years as a holstein breeder. This is a sharp young herd of cows with good udders. All home raised with cow families. A.I. Sire Power. Sires Include- Steady Star, Helios, Pabst, Imprint, Wiseman & Standard. High testing herd. Avg. creamery test 4.0%- 4.1%- 1988. R.H.A. 14,866m. 4.0% 601F. Cows milking 50-09 lbs. per day. Herd avg. 50 lbs. per cow.

#24- Fresh 11-4-88 43 Lbs. 6.0%.
2yr. 346 11,094 3.8 421.
3yr. 341 15,919 4.2 664.

#37- Fresh 10-9-88 58 Lbs. 3.9%.
2-1 309 14,115 4.1 583.

#31- Fresh 10-10-88- 58.2m. 5.6% Proj. 13,025m. 700F.
3-0 293 10,825m. 5.2% 561F.

#84- Fresh 10-22-88. 66.6 Lbs. 5.6% Proj. 14,711 886.
3-11 305 13,139 4.3 568.
344 14,367 4.4 626.
5-3 308 16,378 4.7 765.

#29- Fresh 11-14-88- 53 Lbs. 7.5% Proj. 12,429 650.
305 12,551 4.2 527.
339 13,876 4.2 588.
300 14,986 4.4 666.

#6- Dry Due Feb. With Heifer Calf Born 1-20-88 Sire Coldspring Helios.
2-4 316 12,498 4.0 409.

#5- Fresh 12-24-88- 70 Lbs.
305 15,172 3.6 548.
339 16,358 3.7 603.
Heifer Calf- Born 2-2-88- Sire Chief Son.

Heifer- Born 7-6-87- Sire Coldspring Helois.
Bred 12-15-88- To A Bell Son.
Dam 2-6 305 13,763 4.0 557.
4-3 305 14,909 4.0 598.

Heifer- Born 6-7-87- Sire- Coldspring Helios.
Bred 10-6-88- To A Bell Son.
Dam 2-10 319 12,753 4.2 537.

Heifer- Born 5-30-87- Sire Chief Son
Bred 8-13-88.
Dam 2-9 365 11,939 4.7 572.

14 Cows Fresh- Sept.- Oct.- Nov.- Dec.
6 Springing Cows & Heifers- Due Jan., Feb. & March.
Fall Bred Herd- Cows Due April- May- June- July.

Also Selling:

Reg. 4 Yr. Old Oaks Star- Just Fresh 75 Lbs. Good Udder.
3yr. 359 17,257 4.4 760.

Reg. 5 Yr. Old Brown Swiss.
Sire- Lar-Le-Stretch Titan Out Of Dispersal.

Reg. 2 Yr. Old- Cal Clark Board Chairman- Born 2-4-86.
1-11 14,000 3.4 500.
Dam- Perfection Twin.
7-6 32,983 3.7 1219.
6-10 19,657 3.6 734.

2- Holstein Reg. Bulls- Ready For Service.
Sire- Crescent Mead Boots Kasper-ET- Born 12-1-87.
Dam- Lawcrest Marvex-Twin.
2-6 313 14,720 5.1% 745.
3-6 354 20,203 4.4% 895.
4-8 299 18,086 4.5% 816.
5-8 279 20,058 4.5% 894.
6-10 365 32,505 4.7% 1520.
Granddam- 6 Records Avg. 4.3% Test.
Sire- Roy Brook Tempo- Born 10-28-87.
Dam- Rippchen Boot-Nick- G.P. 83.
2-9 305 25,270 3.5 896.
3-11 305 26,140 3.6 942.
5-3 305 29,100 3.8 1104.
7-1 305 29,310 3.6 1068.
365 31,924 3.7 1169.

Managed By

Smoketown Quality Dairy Sales

Helen & Gordon Fritz ***717-393-0930***

PUBLIC SALE

OF REAL ESTATE, 5 CARS AND TRUCK' HOUSEHOLD GOODS, SOME ANTIQUES

SATURDAY, JANUARY 14, 1989

LOCATED 1 MILE NORHT OF NEW HOLLAND, PA. ALONG NORTH RAILROAD AVE. FROM HINKLETOWN TAKE NORTH RAILROAD AVE. 2½ MILES TO SALE, LANCASTER COUNTY.

SALE TIME 11:00 A.M.
REAL ESTATE 1:00 P.M. — CARS AND TRUCK 1:30 P.M.

REAL ESTATE

3 acres, more or less, with 2 dwellings, barn, 2 utility sheds, brick ranch dwelling, 3 bedrtooms, bath, large living room, kitchen, enclosed porch, 2-car garage, carport, electric heat, well

#2 dwelling — 2½ story brick dwelling, 4 bedrooms, bath, kitchen, living room, dining room This dwelling needs repairs. 48 by 66 frame bank barn, 18 by 48 forebay.

Terms for Real Estate — 10% down day of sale, balance on or before March 1, 1989. Open for inspection Saturday, January 7 from 12 till 4.

CARS AND TRUCK

1984 Plymouth Gran Fury 4-Door, 20,650 miles.
1975 Dodge Dart Special Edition 4-Door, 54,485 miles.
1975 Dodge Dart Custom 4-Door, 16,760 miles.
1976 Dodge Charger 2-Door, 77,253 miles.
1973 Plymouth Valiant 4-Door, 41,151 miles.
1976 Dodge Custom 300 1 ton truck with 8 ft. cattle rack, 67,000 miles
All cars and trucks have original miles

HOUSEHOLD GOODS — SOME ANTIQUES

G E. Refrigerator, Side by Side with Freezer, Freezer Upright, G E. Dryer, Breakfast Set; Drop Leaf Table & 4 Chairs; Small G E. T.V , 4-Piece Bedroom Suite with Box Spring and Mattress; Double Bed with Box Spring and Mattress; Dial Sewing Machine; Single Bed, Living Room Suite, 2 Recliners, Swivel Rocker; Small Antique Desk; Piano Stool; Milk Cans, 2-Door Metal Cabinet; Small End Tables; Hoover Sweeper; Lawn Chairs; Kerosene Heater, Cedar Chest, Clothes Trees; Window Fans; Table Lights; Floor Lights; Can Opener; Metal Lawn Table; 2 Wooden Benches; Extension Table, Tupperware; Revere Ware in Pots and Pans, Dishes, Towels, Pillows, Bedspreads, Blankets, some new, Jars; Portable Air Tank, Small Central tractor Air Compressor; Tools; Garbage Cans, Car Ramps, Electric Heaters, Stepladder; Bicycle, Dynamark Mower, like new, electric start, Proven Riding Mower, electric start, Lawn Sweeper; Jacobsen Mower, Small Wheelbarrow; Small 2-Wheel Trailer, Small Shed; many other items.

TERMS BY

LLOYD ROSENBERRY EST.

Paul Snyder, Auct. AU-000873-L
717-733-7052
Fasnacht, Clerks
Eaby and Eaby, Atty.

No Out of State Checks
Refreshments by Farmersville Fire Co.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT MAR 25 - Millersburg, PA. Farm Machinery. Larry Boyer, Owner. Kling's Aucts. Inc.

SAT MAR. 25 - 9 30AM Farm Machinery, JD, 5 Tractors, HH, Antiques Chester Co , PA, Rt. 896 Hoopes L Jean E Yarnall Steve Petersheim & Steve Jr., Aucts

FRI. MAR. 31 - Landisburg, Perry Co , PA Kling's Annual Machinery Consignment Sale Kling's Auct Inc.

FRI. MAR 31 - 10AM Farm Equipment 11294 L.W.W Ft Loudon, Franklin Co Pa J Robert Meyers, AU-000-601-L Aucts

APRIL

FRI. & SAT. MAR. 31 & APR. 1 - 6PM & 8.30AM 7th Annual Lancaster Farm Toy Auction, Show & Sale at Willow Valley Family Resort & Conference Center, Rt 222, approx 3 mis S. of Lanc. Co.

SAT. APR. 1- 9AM Farm Machinery, Hog Eq , HH. Centre Co., 3 mis. N. of Bellefonte, PA, on Rt 550, turn left on Musser Lane. Ron & Elva Kerstetter. Mark Glick, Auct

SAT APR 1 - 9 30AM Sharp - Inventory Reduction Sale, Farm, Industrial & Lawn & Garden Equipment Marshall Machinery, Inc Rt 652, Honesdale, Pa. 717-729-7117.

TUES. APR. 4 - 6PM RV & Lawn Mower Sale at New Holland Sales Stables Inc , 12 mis. E. of Lancaster on Rt 23, New Holland, PA

FRI APR. 7 - 7PM Horse Sale at New Holland Sales Stables Inc , 12 mis. E of Lancaster on Rt 23, New Holland, PA.

FRI APR 7 - 7PM Spring Heifer, Dry Cow and Bull Sale at Carlisle Livestock Market, Inc Exit 12 off I-81, Phone 717-249-4511

FRI APR 14 - 9AM Equipment Sale at New Holland Sales Stables Inc , 12 mis E. of Lancaster on Rt 23, New Holland, PA

FRI. APR 14 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511

SAT. APR. 15 - Lawn & Garden Equipment. By: Lawn Care of PA. Daniel Z. Martin. Martindale along Gristmill Road, Lanc Co., PA. Kline & Kreider Aucts.

FRI APR. 21 - 7PM State Graded Public Consignment Feeder Cattle Sale at Carlisle Livestock Market, Inc. Exit 12 off I-81, Phone 717-249-4511.

SAT APR. 22 - Personal Property & Antiques 615 Owl Hill Road, Lititz, PA. Harry S. & Anna M Huber. Kline & Kreider Aucts.

Dairy and Livestock Sales

FRI APR. 28 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc Exit 12 Off I-81, Phone 717-249-4511.

FRI APR. 28 - 7PM Horse Sale at New Holland Sales Stables Inc , 12 mis E. of Lancaster on Rt 23, New Holland, PA

SAT. APR 29 - 9AM Equipment, Trailers, Inventory for MGS Inc Denver, PA. Kline & Kreider, Aucts

MAY

FRI. MAY 12 - 1 30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511

FRI MAY 26 - 1 30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511

JUNE

FRI JUNE 9 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

FRI. JUNE 23 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511

JULY

FRI. JULY 14 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

FRI JULY 28 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

AUGUST

FRI. AUG. 11 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

FRI. AUG. 25 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

SEPTEMBER

FRI. SEPT. 8 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

FRI. SEPT . 22 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511

OCTOBER

FRI. OCT. 13 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

FRI. OCT. 27 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc Exit 12 Off I-81, Phone 717-249-4511

NOVEMBER

FRI NOV. 10 - 1:30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

FRI. NOV. 24 - 1.30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

DECEMBER

FRI. DEC 13 - 1 30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511.

FRI. DEC. 22 - 1.30PM State Graded Feeder Pig Sale, Carlisle Livestock Market, Inc. Exit 12 Off I-81, Phone 717-249-4511

NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 5 P.M. Tuesday of each week's publication.

SALE EVERY TUESDAY
Graded Sale
1st Tuesday each month
2 P.M.
Horse Auction
2nd Saturday each month
1 P.M.

FAUQUIER LIVESTOCK EXCHANGE
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Also Crippled & Down Cattle

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250-350 HEAD SPECIAL HORSE SALE WORK HORSES DRIVING HORSES MULES

FRIDAY, JANUARY 20, 1989

AT NEW HOLLAND SALES STABLES, INC.
12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.
Tack 9:00 AM. Sale 10:00 AM.

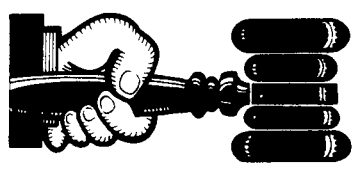
* 2 Loads Work Horses and Mules consigned by Ward Wright.
* 1 Load Work and Driving Horses consigned by Bub Leonard.
* 1 Load Work Horses consigned by Billy Meadows.
* 1 Load Work Horses and Mules consigned by Norman Kolb.
* 1 Load Work Horses consigned by Steimer Bros.
* 1 Load Driving Horses consigned by Clayton Waterbury.
* 1 Load Driving Horses consigned by Jonas Beiler.
* 1 Load Driving Horses consigned by Reuben G. Stoltzfus.
* 1 Load Driving Horses consigned by Elam B. Stoltzfus.

Plus many more consignments by sale time.

For more Information contact:

Abe Diffenbach, Mgr. 717-354-4341
Norman Kolb 717-397-5538

NEXT HORSE SALE FEBRUARY 3, 10:00 A.M.



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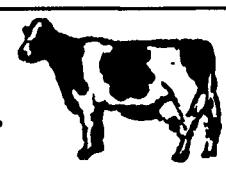

Located 12 Miles East of Lancaster, just off Rt. 23, New Holland, Pa.

SPECIAL DAIRY SALE CONSIGNMENTS For WEDNESDAY, JANUARY 11, 1989
Heifer Sale Starts At 11:00 A.M.

38 Head Herd Dispersal From Thurmont, MD. Cows In All Stages Of Lactation And Will Improve With Better Care. 10 Cows Fresh Nov. & Dec. 7 More Due Jan. & Feb. All Cows Sired By AI Bulls And Bred To AI. Up To Date Breeding Information Will Be Furnished Sale Day. Consigned By Randy Ruby.

XXXXXXXX

Herd of 37 head from Maryland. 22 Registered, 12 ID Grades, 2 Grades. Herd average 15,107M w/cows milking 50 lbs. per day. Sires- Spirit, SWD Valiant, Astronaut, Lester, Very, Chairman. 1) 3 year old SWD Valiant due Aug. to Rocky; 1) 3 year old Astronaut due Aug. to Ned Boy; 1) Chairman GP 83 with a record of 25,450M and 882F; 1) Creek Bluff Elevation Lester fresh Nov., 2) Kingway Elevation Very, Dam VG 87 with 20,900M and 825F. 6 fresh Aug., 5 Sept., 2 Oct., 7 Nov., 2 Dec., balance in all stages. Consigned by Kenneth and Elma Myers.

XXXXXXXX

16 head Purebred and Grade Canadian cows, fresh and springers, consigned by Maganteem Farms.

Also Selling

* 1 load fresh and springer cows consigned by Norman and David Kolb.
* 1 load fresh and springer cows consigned by Merle Brenneman.
* 1 load fresh and springer cows consigned by Marvin Eshleman.
* 1 load fresh and springer cows consigned by Raymond Smucker.
* 1 load fresh cows consigned by Dale Hostetter.
* 1 load fresh cows consigned by Alfred Albright.

PLUS MANY MORE CONSIGNMENTS
For More Information Contact:

Abe Diffenbach 225L
717-354-4341-Barn

Norman Kolb
717-397-5538

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JUNIOR & GRAND CHAMPION MARE
1989 P.F.S.

Auctioneer:
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Two Locations

LANCASTER, PA WOODSBORO, MD

The friendship of those who we serve is the foundation of our progress. As the beginning of a New Year begins our thoughts turn gratefully to those who have made our progress possible. It is in this spirit we say simply but sincerely, Thank You & Best Wishes for a Happy & Healthy New Year.

We have over 500 Head of quality Holstein purebred & grade Fresh & Springing cows on hand.

Both our farms sell daily and public sales are held monthly. The Lancaster, PA farm sells the 1st Thursday of every month and Woodsboro, MD the 3rd Thursday of every month. Every sale features approximately 150 Head of Purebreds & Grade. 1st & 2nd Calf Heifers & Mature Dairy Cows.

PRIVATE SALES DAILY • • • PUBLIC SALES MONTHLY

- GRADE FRESH COWS
- GRADE SPRINGING COWS
- PUREBRED FRESH COWS
- PUREBRED SPRINGING COWS
- GRADE FRESH HEIFERS
- GRADE CLOSE SPRINGING HEIFERS
- PUREBRED FRESH HEIFERS
- PUREBRED SPRINGING HEIFERS
- GRADE STOCK BULLS
- PUREBRED STOCK BULLS
- GRADE & PUREBRED HEIFER CALVES

MELVIN KOLB, INC.

LANCASTER, PA
(717) 569-6800/569-2106
PRIVATE SALES DAILY
Next Monthly Sale
Thur., Feb. 2, 1989, 11:00 A.M.
- 150 HEAD -

WOODSBORO, MD
(301) 898-7720/898-7663
PRIVATE SALES DAILY
Next Monthly Sale
Thur., Jan. 19, 1989, 11:00 A.M.
- 150 HEAD -

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High energy milking ration formulated to meet high producing cows' requirements.

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BUFFER OPTION - Correct type & amounts of butterfat enhancers

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